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Technical Report

No. 13237

PRODUCTION VERIFICATION OF THE AUTOMATED ROADWHEEL INSPECTION SYSTEM

CONTRACT NO.: DAAE07-85-C-R094

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By Niles, IL 60648

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PREFACE

The work described in this report was performed by Chamberlain Manufacturing Corporation, GARD Division, 7449 North Natchez Avenue, Niles, Illinois 60648, for the U. S. Army Tank-Automotive Command (TACOM) under Contract No. DAAE07-85-R-R100. The work was administered under the direction of Army Project Engineer Larry McNamara of TACOM, Warren, Michigan.

The work was performed by the Electronic Systems Group, of the GARD Division, W. Lichodziejewski, Manager, by I. R. Kraska, Project Engineer with the assistance of B. H. Hill and T. A. Mathieson.

The authors gratefully acknowledge the assistance provided by the Army Project Engineer, by the Red River Army Depot Material Quality Control Department personnel supervised by R. M. Rumbo, and by William Bono at Red River Army Depot.

This report covers work conducted during during the period of September 1985 to August 1986.

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1.0 INTRODUCTION

This report presents the results of an effort to upgrade the GARD-developed Automated Depot Roadwheel Inspection System (ADRIS) and test the feasibility of it replacing the destructive peel-strength test presently in use at Army depots. The ADRIS was the result of these original goals, combining an automated ultrasonic scanning configuration adjustable for different roadwheel sizes with microcomputer communication and control for simplicity of operator interaction and interpretation. This is the latest phase of a project originated to ultrasonically inspect roadwheel production and provide depot-level personnel with simple accept/reject criteria for roadwheel quality control.

Herein, the firmware of the ADRIS was extensively modified, its hardware was augmented, and a 6 month field test at Red River Army Depot was supported.

This report will present a summary of the modifications made to the ADRIS hardware and firmware along with a discussion of their implications. Then a detailed examination of the field test results will be presented.

2.0 OBJECTIVES

The aim of the present phase of the project was to modify the ADRIS firmware to include adhesion estimation equations developed by United Technologies Research Center under Contract Number DAAE07-84-M-R024 and to assess the validity of these equations for predicting adhesion strength of roadwheel rubber-to-metal bonding under production quality control conditions.

3.0 CONCLUSIONS

During the field test, 367 roadwheels were inspected using the ADRIS; 166 of these were subjected to destructive peel-strength testing to corroborate ADRIS indications. From these destroyed roadwheels, over 3,700 data pairs for each of 5 ADRIS outputs were used in 3 types of correlation of ADRIS adhesion estimation with destructively measured adhesion strength. Although the data showed monotonically varying trends of estimated adhesion with measured adhesion, estimation of peel-strength by the ADRIS yielded no correlation coefficient greater than 0.80. This low value is likely due to corrupting factors in the destructive peel test which could not be compensated for in the data selection and analysis.

However, ADRIS prediction of adhesion failure was more successful. Three roadwheels failed the peel test because of poor adhesion, and the ADRIS was able to reliably predict these failures with no overcall or undercall. However, peel testing allows acceptance/rejection of roadwheel lots on criteria other than adhesion failure alone. Presence of separations, contamination, and "poor workmanship" are visually assessed during peel testing. Evidence of separation presence was the principal mode of roadwheel rejection found during this field test, occurring in 20 percent of

the roadwheels tested. Because of current hardware and firmware configuration, the ADRIS performed poorly in predicting this cause of failure, yielding an average detection rate of 42 percent and an average overcall rate of 61 percent. Further, the ADRIS is not currently capable of detecting the presence of contamination or rejectable cosmetic faults.

Roadwheel adhesion failure prediction by the ADRIS was demonstrated in three cases with a reliability of 100 percent. If this was the only measurement required for acceptance/rejection, the ADRIS could be adequately configured for production use. Further observation of roadwheel adhesion failures while monitoring with the ADRIS is required to increase the statistical significance of this conclusion.

Estimation of adhesion strength could not be established to a correlation better than 0.80. The volume of data acquired during the field test is more than that which could be completely examined within the limits of this effort. From preliminary inspection, there appear to be categories into which the data could be sorted which may improve the adhesion estimation performance or may suggest what steps are necessary to improve estimation performance. It is recommended that a follow-on effort examine our current database in greater depth, attempting to provide a better strength measurement correlation.

Separation detection by the ADRIS was found to be no better than an average of 42 percent indications with an unacceptable 62 percent rate of false detections.

4.0 RECOMMENDATIONS

Our recommendation is that separation detection be improved by software/hardware modifications of the ADRIS. These include complete scan across the width of the roadwheel, finer beam resolution through use of smaller diameter transducers or focused transducers, increased processing speed and memory capacity in the controlling microcomputer, and more microcomputer control of front-end signal conditioning.

Incorporation of such modifications may also improve ADRIS detection of contamination and rejectable cosmetic faults.

5.0 DISCUSSION

5.1 ADRS Modifications

5.1.1 Firmware Modifications. The ADRIS was originally programmed to function primarily as a data-logging device in support of discovering those patterns of ultrasonic reflection data which most reliably indicated presence of debonding, inclusions, and weak bonding in roadwheels. Once such patterns were identified, it was then intended that the ADRIS be reprogrammed to function as a logic-filtering device in support of yielding simple accept/reject decisions on roadwheel quality.

The present phase of the project required that the ADRIS be reprogrammed principally to support the implementation of three specific pattern filters and a computation of estimated adhesion strength. To satisfy the requirements of this reprogramming, the original integer arithmetic algorithms of the ADRIS had to be converted to floating-point form and the computation of three new derived parameters had to be implemented. The new derived parameters are:

$$D_2 = A_2 / A_{BB}$$

$$D_3 = A_3 / A_{BB}$$

$$D_5 = A_5 / A_{BB}$$

where A_2 is the acquired 270 kilohertz (kHz) amplitude
 A_3 is the acquired 370 KHz amplitude
 A_5 is the acquired 500 KHz amplitude
 A_{BB} is the acquired unfiltered (broadband) amplitude

The specific pattern filters are:

- Weak Bond Test A:
 $D_2 \leq 0.40$ for accumulated circumference $\geq 25\%$
- Weak Bond Test B:
 $A_2 \leq 12$ for accumulated circumference $\geq 40\%$
- Undercure Test B:
 $A_2 \geq 22$ for accumulated circumference $\geq 40\%$

The estimated adhesion equations are:

$$PEEL(i) = C_{31} + C_{32} * X_1(i) + C_{33} * X_2(i)$$

where:

$$X_1(i) = C_{11} + C_{12} * A_3(i) + C_{13} * A_5(i) + C_{14} * A_3^2(i) + C_{15} * A_5^2(i) + C_{16} * A_3(i) * A_5(i)$$

$$X_2(i) = C_{21} + C_{22} * A_5(i) + C_{23} * D_5(i) + C_{24} * A_5^2(i) + C_{25} * D_5^2(i) + C_{26} * A_5(i) * D_5(i)$$

expressed for each sampled circumferential interval i and the C_{jk} are adjustable coefficients.

With the introduction of these parameters, tests, and computations, the operational philosophy has distinctly shifted away from that of data logging to that of task specificity. The specific tasks are now to be acceptance and rejection upon detection of the original conditions of phase-inversion debonding and tread rubber inclusions and upon measurement of the new conditions of weak bonding, undercure, and adhesion estimation. The absence of a printed data summary reflects this shift. Additionally, the finding that processing of two channels of data does not materially contribute to corroboration with destructive test data in the case of roadwheels with wider tread has led to the processing and presentation of data averaged across the active channels. This, and the presence of new parameters, are reflected in a modified printout format.

Acquisition of the 110 KHz filtered amplitude has been discontinued with the finding that it does not materially contribute to measurement of road-wheel quality. Finally, the ADRIS firmware has been modified to enable continuous pulsing of the ultrasonic transducers during periods of non-inspection for the purpose of maintaining the stability of the electronics.

5.1.2 Hardware Modifications. The implementation of the additional parameters and computations discussed in par. 5.1.1 required such a modification of the ADRIS operation that a larger capacity random access memory (RAM) was needed. This was supplied by the replacement of the original 16 thousand bytes (K) RAM card with a 32K RAM card. Because of the net reduction in number of parameters the ADRIS maintained in its data logging configuration, no enlargement of the battery-backed RAM was necessary.

To support temperature compensation during the field test, an external thermocouple probe and readout were procured.

5.2 Field Test

The ultimate purpose of modifying the ADRIS and testing its predictive accuracy on the production line is to use it to replace the destructive peel-strength test currently employed. The principal benefits to be realized from this are that because the ultrasonic test is nondestructive in nature, product no longer will be sacrificed to quality control and every roadwheel produced can be inspected, thus eliminating statistical sampling and inferential assessment of lot quality.

This section describes the 6 month field test of the ADRIS conducted at Red River Army Depot (RRAD) during the first half of 1986 in support of these goals. A total of 367 roadwheels was inspected using the ADRIS. Of these, 143 were intercepted from production lot samples, dynamometer test samples, or other quality test samples scheduled for routine peel-strength testing. An additional 224 roadwheels were directly sampled from production inventory by GARD personnel in order to discover unusual or anomalous ultrasonic output and to destructively determine the cause by unscheduled peel-strength testing. Of these latter, a total of 23 wheels were purchased from RRAD production for destructive evaluation and correlation with ADRIS output. The roadwheel size groups investigated were:

24 in. by 2.12 in.
24 in. by 2-1/8 in.
24 in. by 3-3/4 in.
26 in. by 5-3/4 in.
26 in. by 6 in.

Roadwheels of size 32-1/4 in. by 3-1/2 in. were not being produced in sufficient quantity during this period to be subject to normal RRAD quality control and roadwheels of size 28 in. by 2-1/2 in. had to be passed uninspected because the ADRIS has no fixturing to hold this size. Table 5-1 summarizes the population characteristics of the roadwheels examined during this field test.

The peel-strength test procedures presently in force at RRAD address not only adhesive strength of the rubber-to-metal bonding, but also presence of separations, contamination, cosmetic appearance, and other visual quality assessment. The ability of the ADRIS to emulate these aspects of the peel-strength test is discussed in the following sections.

5.2.1 Adhesive Strength Estimation. If the ADRIS is to effectively replace the present peel-strength test, it must obviously be able to predict the adhesive strength of the roadwheel rubber-to-metal bond at least as well as the peel test does. Therefore, the principal task of the field test was to measure the correlation of the peel test strength measurements with one or more of the ADRIS outputs to find which output yielded the best prediction and to assess the reliability and accuracy of the prediction.

As performed at the RRAD roadwheel facility, the peel-strength test comprised a preparation phase, a pull phase, and an assessment phase. During the preparation phase, approximately 8 inches in length of rubber tread is cut away from the metal hub to serve as a leader for the adhesion test machine to grip. Guide slits are also cut at this time along the rubber-to-metal interface around the entire circumference on both sides of the wheel. The pull phase is the actual tearing of the rubber-to-metal bond while the load on the tearing mechanism is recorded. During this phase, quality assurance personnel monitor the path of the tear interface and keep it close to the rubber-to-metal interface by judicious cutting and trimming of the rubber. During the assessment phase, personnel inspect the exposed interface for visual defects, record the maximum and minimum peel strengths obtained, and decide the quality of the wheel(and by inference, its source lot).

Attempts to directly correlate ADRIS output with peel-strength as measured in production at RRAD can be misleading because the peel-strength record includes those times when the tear was advancing away from the rubber-to-metal interface into the rubber tread. During such times, quality

Table 5-1. Roadwheel Population Summary

	INTERCEPTED	PURCHASED	NONINTERCEPTED
24 in. by 2.12 in.	21	2	--
24 in. by 2-1/8 in.	46	1	65
24 in. by 3-3/4 in.	3	2	15
26 in. by 5-3/4 in.	32	7	68
26 in. by 6 in.	41	11	53
	<hr/>	<hr/>	<hr/>
Total	143	23	201

assurance personnel are attempting to guide the tear back to the rubber-to-metal interface by heavy cutting and recorded peel-strength typically increases. As a consequence, the self-adhesion of the tread rubber is being measured, not the rubber-to-metal bond strength, which is what we are attempting to correlate with ADRIS output. Figure 5-1 demonstrates the effect of this situation on a typical peel test record. The jagged profile of those areas marked as "cutting" is caused by the slow increases and sudden releases of load as the tear wanders away from the interface and is guided back by the inspectors. To circumvent this problem, only that ADRIS output acquired during times of peel-strength testing when the tear ran along the rubber-to-metal bond (i.e., periods of no cutting) was used for correlations.

Listings of acquired data so selected are presented in the Addendum for the five sizes of roadwheel inspected. Due to this selection process, only about 22 percent of the acquired ADRIS output remained to be correlated. This data was subjected to three types of analysis. One type was a simple correlation of average peel-strength with average ADRIS output for each roadwheel size. Another type was correlation by least squares linear regression of peel-strength against ADRIS output. The third type was correlation of peel-strength failure with a specific pattern of ADRIS output amplitude and spatial extent.

5.2.1.1 Correlation of averages. For this type of correlation, the average measured peel-strength, average ADRIS estimated adhesion, and average ADRIS broadband reflection amplitude was computed for all the roadwheels of a given size for the sizes of 24 in. by 2.12 in., 24 in. by 2-1/8 in., 24 in. by 3-3/4 in., 26 in. by 5-3/4 in., and 26 in. by 6 in.. Figure 5-2 shows the resulting trends. Included in Figure 5-2 are points representing adhesion acceptances and adhesion failures within the 24 in. by 2-1/8 in. roadwheel size group. The averages for the 24 in. by 2.12 in. and 24 in. by 2-1/8 in. roadwheels (including accept/reject subcategories) appear to lie along a common line expressed by the equation:

$$M = 0.514 * E + 20.6$$

Equation 5-1

where M is the measured peel-strength in lbs.
E is the ADRIS-estimated adhesion in lbs.

A surprising observation is that the 24 in. by 3-3/4 in. roadwheel averages appear to lie on this same line. Because the ADRIS monitors the roadwheels through a window of constant aperture, its report of bond strength is that of an adhesion for a given area, or an adhesion density. The peel test, on the other hand, records the roadwheel bond strength as integrated across the width of the wheel, or an absolute adhesion. To properly correlate estimated adhesion with measured adhesion, one must be normalized to the other by taking account of the relevant tread width. Since this is not done by the ADRIS, it would be expected that the 24 in. by 3-3/4 in. roadwheel average measured adhesion would be 1.76 (= 3.75/2.125) times larger than given in Figure 5-2.

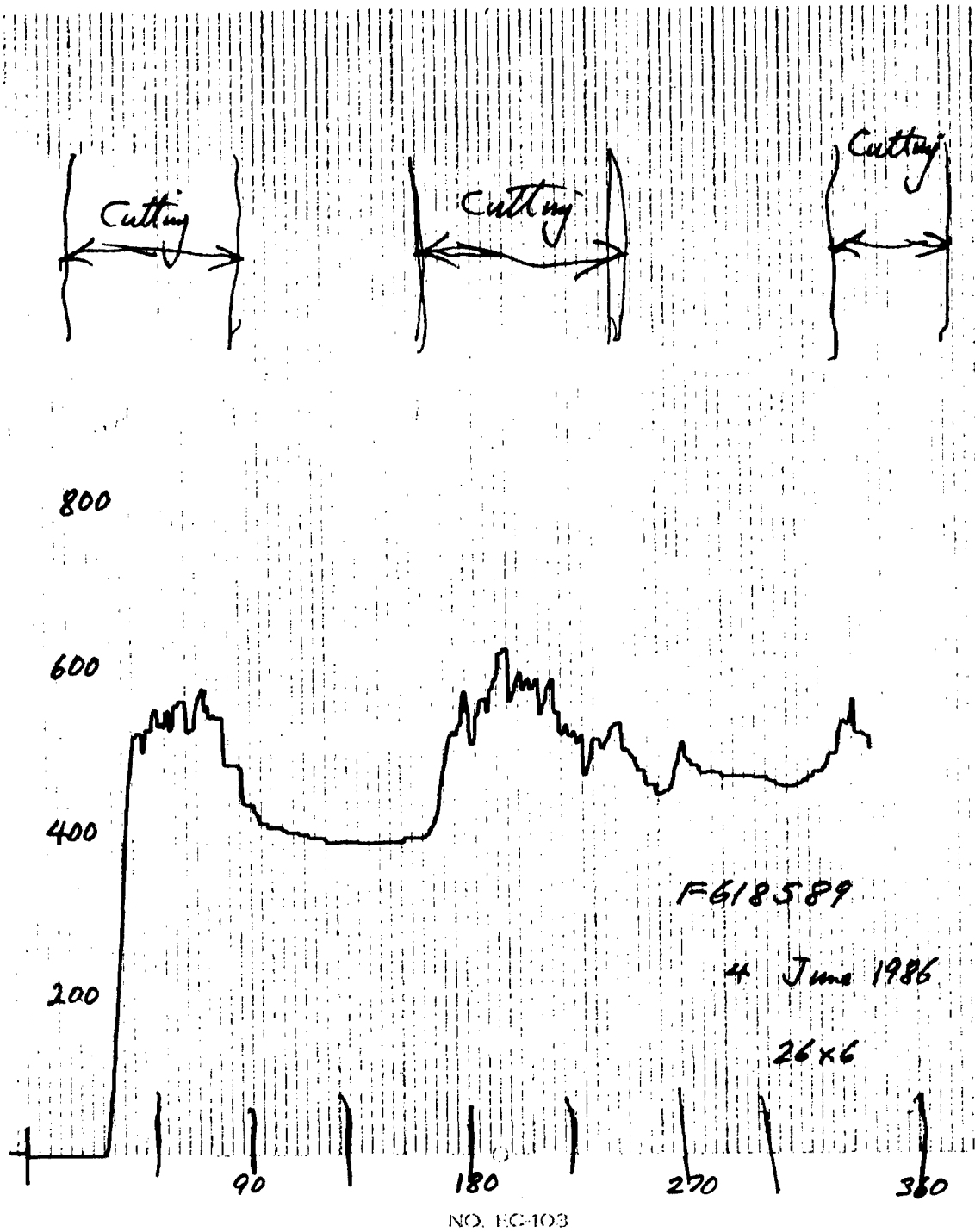


Figure 5-1 Typical Peel Record

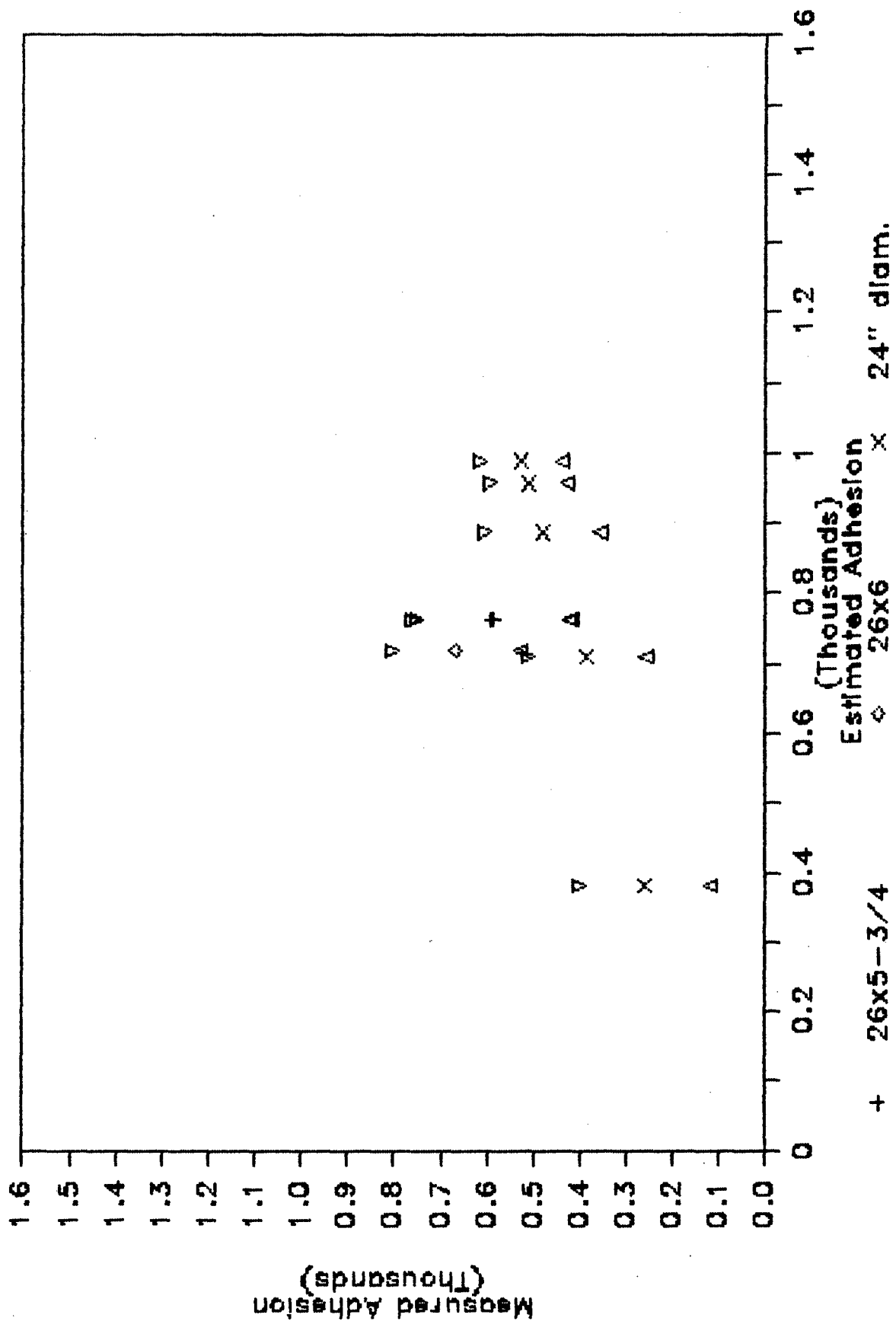


Figure 5-2 Measured Adhesion vs. ADRIS Estimate Averaged by Roadwheel Size

One possible explanation for the colinearity of 24 in. by 3-3/4 in. roadwheel averages with other 24-inch-diameter roadwheel averages is that the 24 in. by 3-3/4 in. rubber-to-metal bonding is intrinsically weaker than that of the other 24-inch-diameter wheels. The greater tread width then brings the integrated adhesion up to that of the other size wheels. If this is the case, the average intrinsic bond would not be expected to vary without creating a severe disruption of production, and predictable correlation could be achieved by treating 24 in. by 3-3/4 in. estimates as if they were 24 in. by 2.12 in. or 24 in. by 2-1/8 in. estimates and transforming each by Equation 5-1 to predict adhesion.

Another possible cause for colinearity of the 24-inch-diameter roadwheel averages would be that the adhesion estimation relations developed using 26 in. by 5-3/4 in. roadwheel data (presented in par. 5.1.1) are not valid for estimating 24 in. by 3-3/4 in. or other 24-inch-diameter roadwheel bond strength. In fact, they may be overestimating 24 in. by 3-3/4 in. bond strength or underestimating 24 in. by 2.12 in. and 24 in. by 2-1/8 in. bond strength. If this is the case, the relations must be modified. The simplest modification which would achieve the desired goal would be to transform each relation by using Equation 5-1 as was discussed above.

A third possible cause of the 24 in. by 3-3/4 in. roadwheel averages falling on a line common to other 24-inch-diameter roadwheel averages could be that the ADRIS is scanning through tread rubber of differing acoustic attenuation. This possibility was investigated using tread left over from peel tests and, although 24 in. by 3-3/4 in. tread rubber was found to be spectrally different from other 24-inch roadwheel tread rubber, no significant differences in attenuation were measured.

If the observation of colinearity among the 24-inch-diameter roadwheel averaged adhesions was a surprise, the appearance in Figure 5-2 of a distinct cluster of higher averaged adhesions for the 26-inch-diameter roadwheels was expected. It is presumed that the average measured and average estimated adhesions will, as was found for 24-inch-diameter roadwheel averages, correlate near the zero values. Consequently, the equations expressing these simple trends are approximately:

$$M = 0.776 * E \quad 26 \text{ in. by } 5\text{-}3/4 \text{ in.} \quad \text{Equation 5- 2}$$

$$M = 0.928 * E \quad 26 \text{ in. by } 6 \text{ in.} \quad \text{Equation 5- 3}$$

where M is the measured peel-strength in lbs.
 E is the ADRIS-estimated adhesion in lbs.

Note that the relation expressing 26 in. by 6 in. roadwheel averages (Equation 5-3) comes the closest to the estimation prediction ideal of a 1:1 ratio between estimated and measured adhesion averages. If this is used as a benchmark relation, then it should be expected that the slope of the 26 in. by 5-3/4 in. relation should be $(5.75/6) * 0.928$ or 0.889 in value. This is quite different from the 0.776 implied by Figure 5-2. By similar calculations, it can be shown that the differences in the relations expressing 24 in. by 3-3/4 in. and 26 in. by 5-3/4 in. roadwheel averages

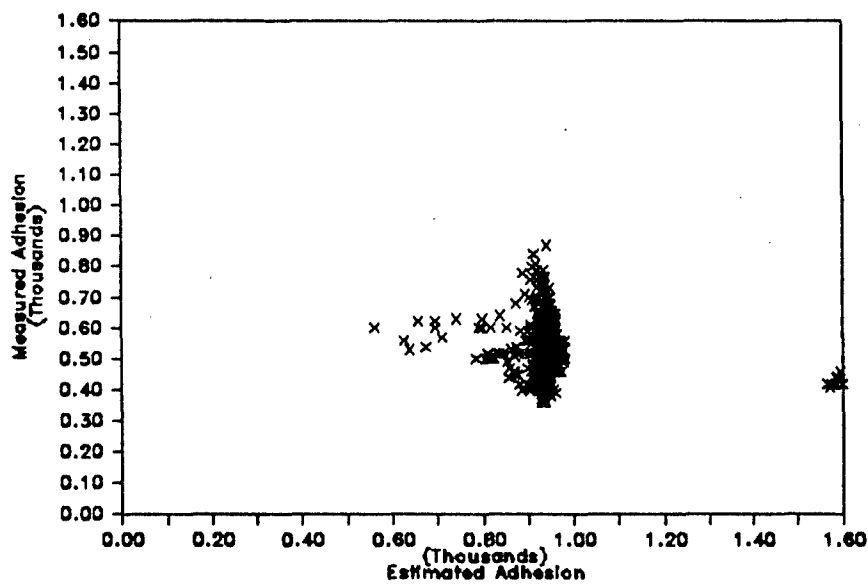
are accountable simply by the differences in their tread widths. This is not true for the 26 in. by 6 in. or for the 24 in. by 2-1/8 in. roadwheel averages. Their differences, with respect to the averages of other roadwheel sizes and with respect to each other, cannot be accounted for simply by their differences in tread width.

As discussed above, one explanation for the measured adhesion strength differences of roadwheels not being proportional to their tread width differences is that the intrinsic rubber-to-metal bonding is not identical. This hypothesis is not so attractive when considered for more than two groups of roadwheels. The fabrication processes used at RRAD are not that varied. It is known that two types of tread rubber are utilized -- type "B" for 24 in. by 2.12 in. and 24 in. by 2-1/8 in. and type "A" for all others. This can conveniently be invoked to explain the colinearity of the 24-inch-diameter roadwheel measured and estimated adhesion averages, but since the 26 in. by 6 in. and 24 in. by 3-3/4 in. roadwheels are built with a common tread rubber type, this cannot account for their observed differences.

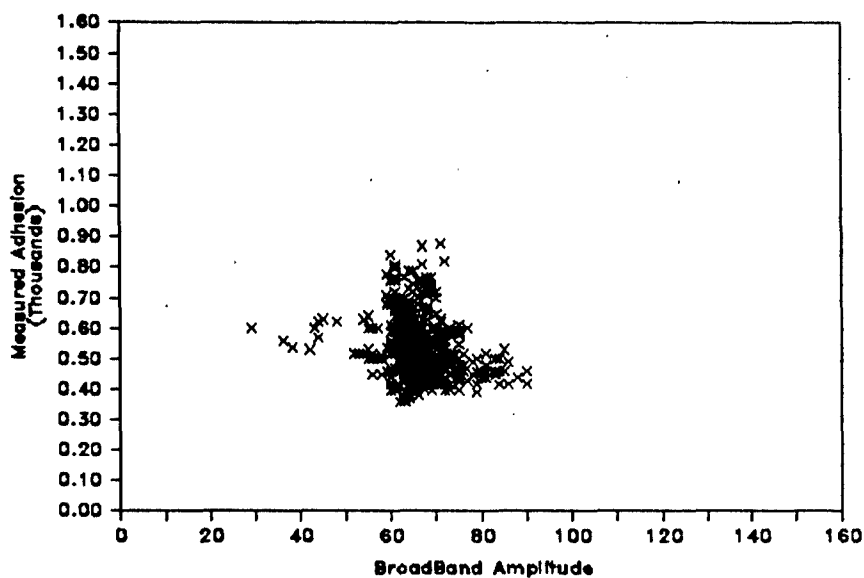
The other possible cause for the observed differences as discussed above is that the adhesion estimation relations developed using 26 in. by 5-3/4 in. roadwheel data (presented in par. 5.1.1) are not valid for estimating 26 in. by 6 in. roadwheel bond strength. If this is the case, the relations must be modified. The simplest modification which would achieve the desired goal would be to transform each relation by using Equation 5-1 as was discussed above. However, because the observed trends associated with the larger diameter roadwheels are not very securely established, and because there is such a large degree of variability of the averages, the question of to what the estimation relations should be transformed remains unanswered. A more precise type of correlation technique is attempted to establish this.

5.2.1.2 Correlation of least squares linear regression. For this type of correlation, the point-by-point measured peel-strength, ADRIS-estimated adhesion, and ADRIS broadband reflection amplitude and frequency ratios were computed for all the roadwheels of a given size for the sizes of 24 in. by 2.12 in., 24 in. by 2-1/8 in., 24 in. by 3-3/4 in., 26 in. by 5-3/4 in., and 26 in. by 6 in.. Figures 5-3 through 5-7 show the scatter plots of measured peel-strength against ADRIS-estimated adhesion for the five roadwheel sizes. On the basis of scatter plots, only the 24 in. by 2-1/8 in. roadwheels show any trend at all. This is because the three adhesion failures observed occurred in wheels of this size. The scatter among 24 in. by 2-1/8 in. roadwheel estimates does not appear to be any less than among other roadwheel sizes.

To quantify these results, least squares linear regression was applied to each size of roadwheel. The results are summarized in Table 5-2. It can be seen that trends do exist by which adhesion can be predicted by the ADRIS broadband and estimated adhesion outputs. The regressed linear relations bear no relation at all to the linear relations derived from the averages of measured and ADRIS-estimated adhesion described in par. 5.2.1.1. The

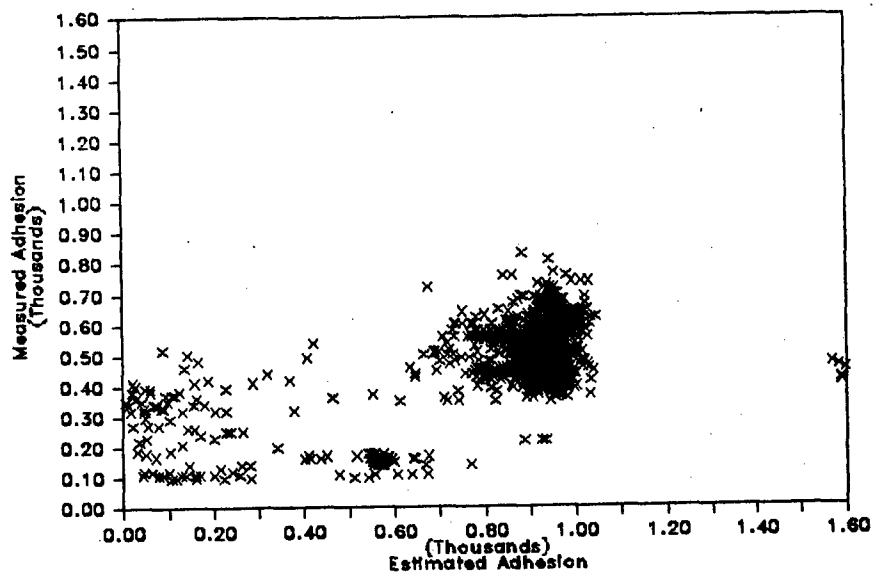


(a) Adhesion vs. Estimate

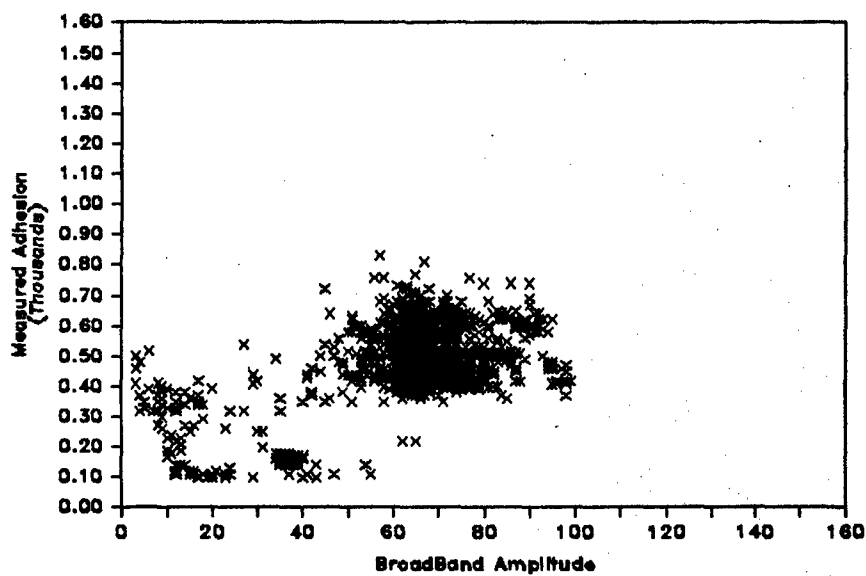


(b) Adhesion vs. Broadband Amplitude

Figure 5-3. Measured Adhesion vs. ADRIS Parameter
Scatter 24 x 2.12

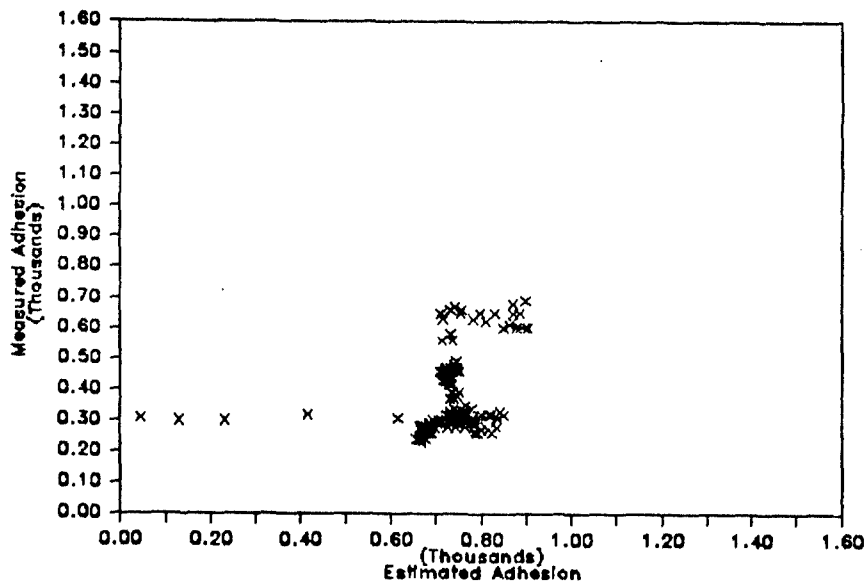


(a) Adhesive vs. Estimate

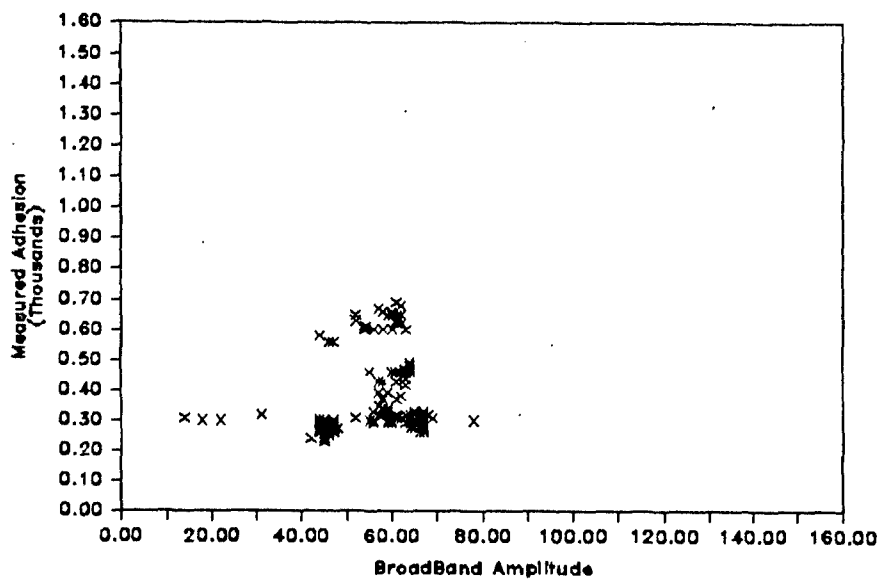


(b) Adhesion vs. Broadband Amplitude

Figure 5-4. Measured Adhesion vs. ADRIS Parameter Scatter 24 x 2.125

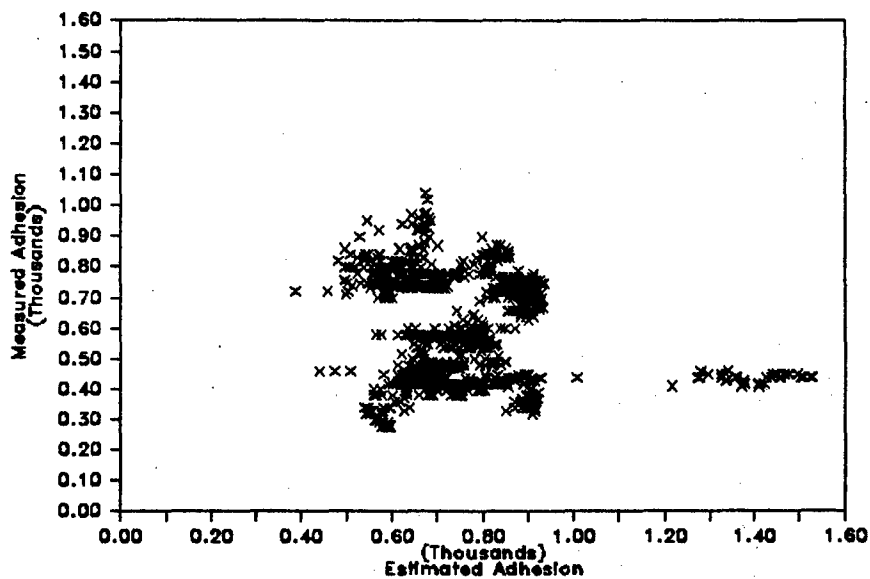


(a) Adhesion vs. Estimate

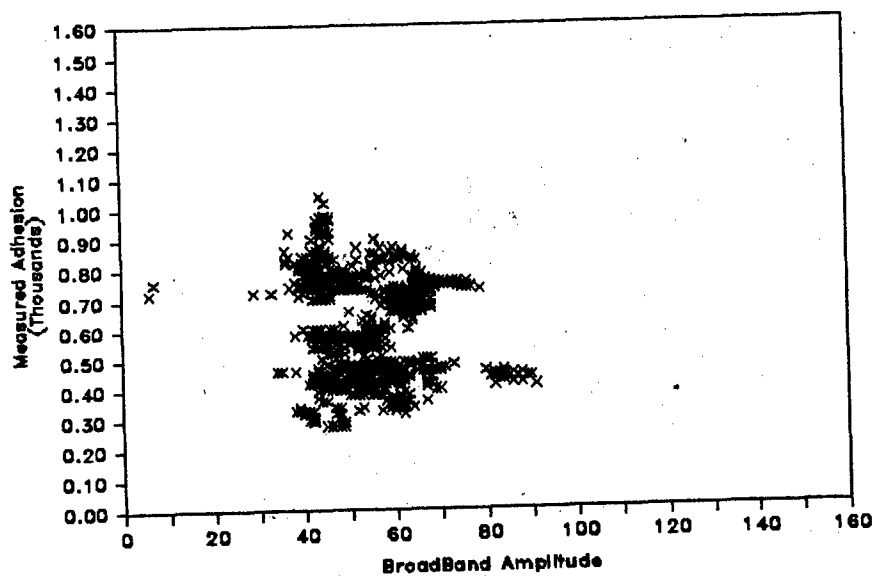


(b) Adhesion vs. Broadband Amplitude

Figure 5-5. Measured Adhesion vs. ADRIS Parameter Scatter 24 x 3.75

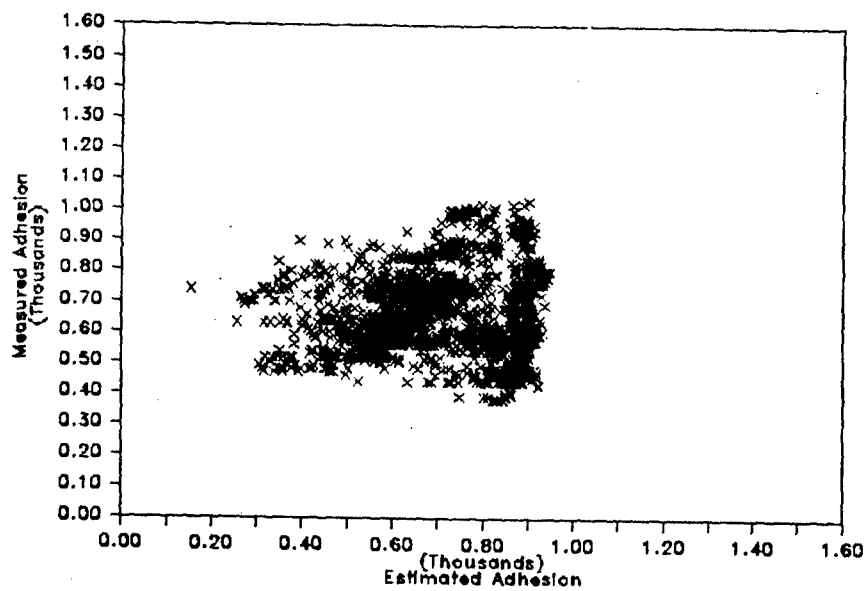


(a) Adhesion vs. Estimate

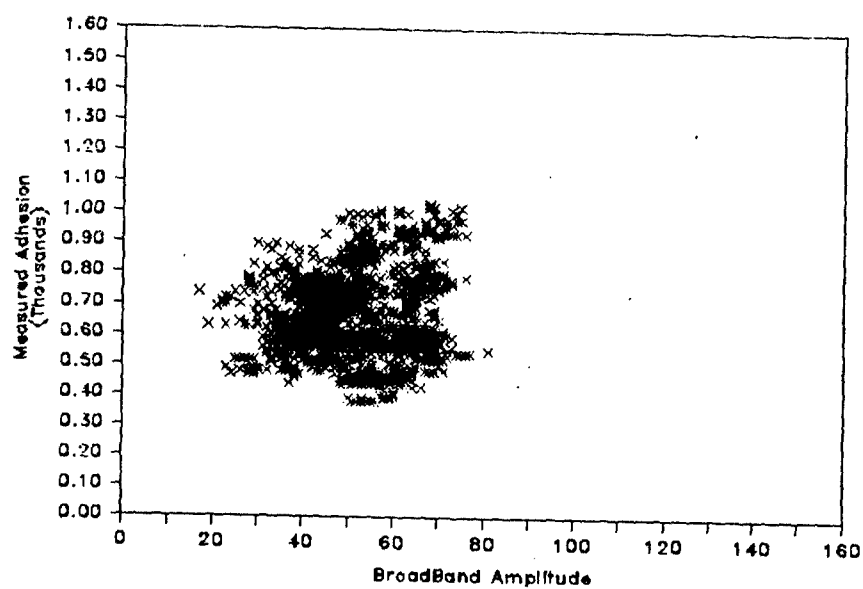


(b) Adhesion vs. Broadband Amplitude

Figure 5-6. Measured Adhesion vs. ADRIS Parameter
Scatter 26 x 5.75



(a) Adhesion vs. Estimate



(b) Adhesion vs. Broadband Amplitude

Figure 5-7. Measured Adhesion vs. ADRIS Parameter
Scatter 26 x 6

Table 5-2. Regression by Roadwheel Size

SIZE	COEFFICIENT OF CORRELATION	REGRESSION LINE
24 in. by 2.12 in.	-0.034	$M = -0.016 * E + 544.9$
24 in. by 2-1/8 in.	0.440	$M = 0.203 * E + 301.0$
24 in. by 3-3/4 in.	0.552	$M = 0.537 * E + 4.3$
26 in. by 5-3/4 in.	-0.776	$M = -0.620 * E + 1060.6$
26 in. by 6 in.	0.020	$M = 0.024 * E + 655.9$

(a.) Estimation

24 in. by 2.12 in.	-0.190	$M = -2.989 * B + 725.9$
24 in. by 2-1/8 in.	0.542	$M = 4.074 * B + 224.5$
24 in. by 3-3/4 in.	0.461	$M = 5.588 * B + 76.9$
26 in. by 5-3/4 in.	-0.087	$M = -1.437 * B + 665.5$
26 in. by 6 in.	0.096	$M = 1.561 * B + 587.9$

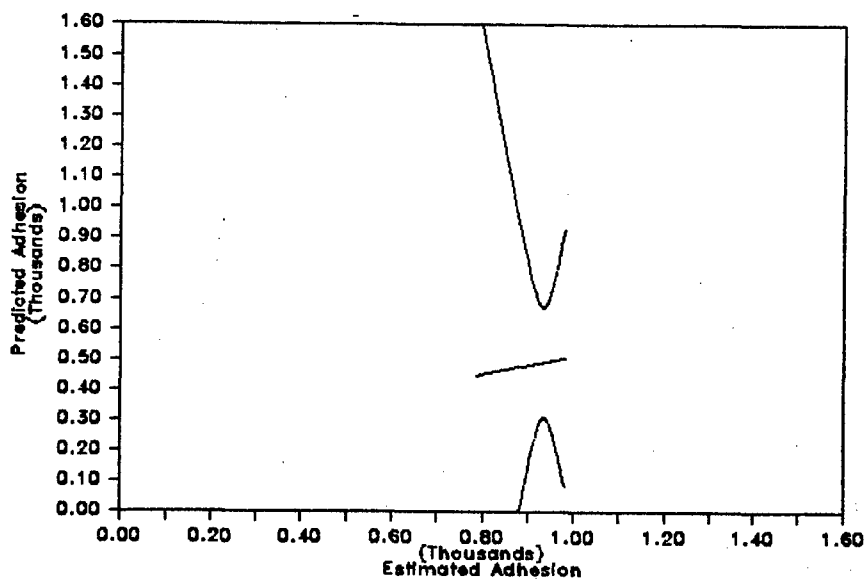
(b.) BroadBand

best coefficient of correlation is associated with the behavior of 26 in. by 5-3/4 in. roadwheels and it is a negative coefficient of unpromising low value. The regression line has a negative slope. This result is at such variance with expectations that the data was examined in more detail to discover the cause. Within each size category, roadwheels were further classified according to the slope of their relation between measured adhesion and an ADRIS output. As would be expected, this tended to reduce scatter and led to better correlations.

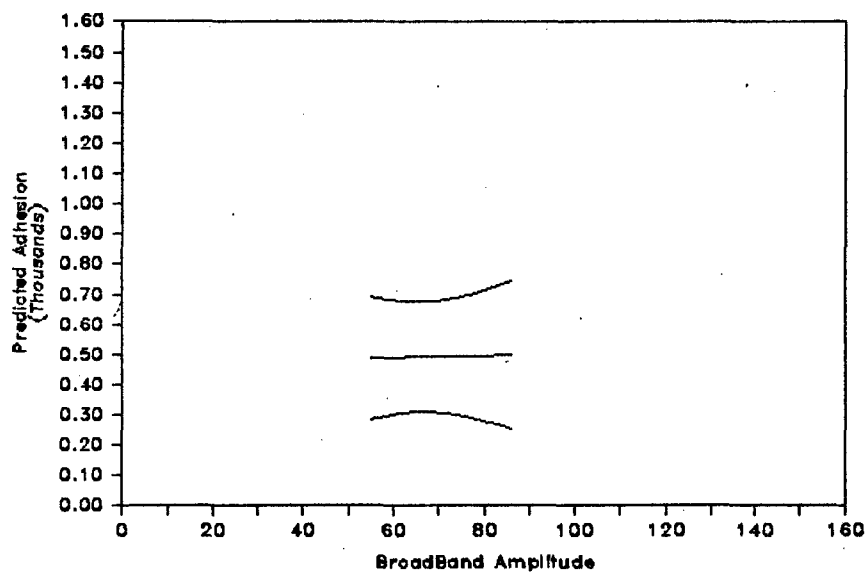
To further quantify these results, least squares linear regressions were applied to that class of each size of roadwheel that exhibited the least scatter in the adhesion vs. broadband amplitude relation (such relations typically had less scatter than the associated adhesion vs. estimate relations). These results are exhibited in Figures 5-8 through 5-12 and summarized in Table 5-3. Trends continue to exist by which adhesion can be predicted by one acquired and one derived ADRIS output. Except for 24 in. by 3-3/4 in. roadwheels, the regressed linear relations continue to bear no relation at all to the linear relations derived from the averages of measured and ADRIS-estimated adhesion described in par. 5.2.1.1. However, the best coefficient of correlation is associated with the behavior of 26 in. by 5-3/4 in. roadwheels and it is now a positive coefficient. No reason could be found why these subcategories existed. During the field test, parameters associated with Supply Quality Control (SQC) number, rubber quality, fabrication procedure, and even peel-test mechanics were identified and recorded. None could reliably be associated with the existence of distinct subclasses of ultrasonic adhesion behavior within roadwheel size groups. The best coefficient of correlation was found to be no larger than 0.80, signifying a low level of confidence in being able to use the regression line to predict adhesion on a wheel-by-wheel or point-by-point basis.

The fact that trends do exist relating ADRIS output to roadwheel adhesive strength implies, in spite of the poor degree of correlation, that there is an ultrasonic foundation upon which adhesion can be estimated. The selection mechanism for correlatable data described in the introduction of par. 5.2.1 has probably been insufficient to overcome the variability inherent in the mechanics of the destructive peel test. The measuring of adhesion as the entire width of the roadwheel tread is pulled away from the hub cannot easily be correlated with the intrinsically localized readings of the ADRIS. Also, until the independent variable of the peel test is linked directly to the circumferential motion of the roadwheel, instead of being inferred from the time base as it has been in this study, the correlation of ADRIS output with peel-strength can never be the best. In an attempt to bypass these limitations and to realize the goal of this project, a more detailed, less computerized type of correlation analysis was attempted.

5.2.1.3 Correlation of patterns. For this type of correlation, the measured peel-strength records and ADRIS printouts were manually examined for the existence of some unique pattern of broadband or frequency ratio behavior with respect to circumferential sampling which correlated reliably with the existence of peel-strength test rejection caused by failure of

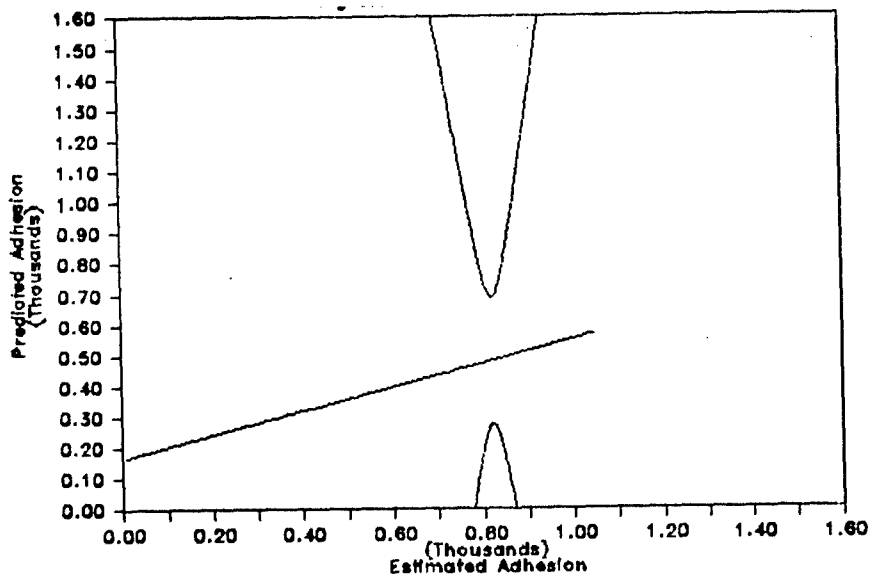


(a) Adhesion vs. Estimate

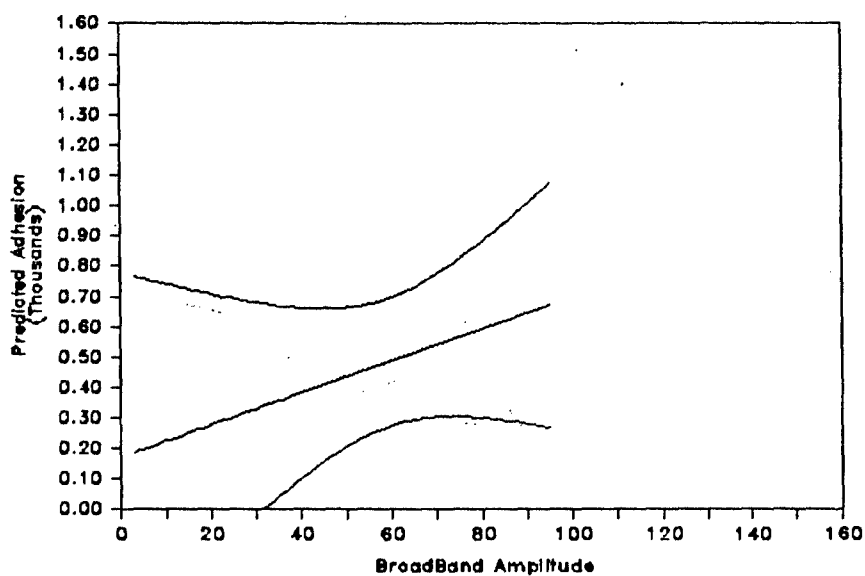


(b) Adhesion vs. Broadband Amplitude

Figure 5-8. Predicted Adhesion vs. ADRIS Parameter
Regression 24 x 2.12 Class I

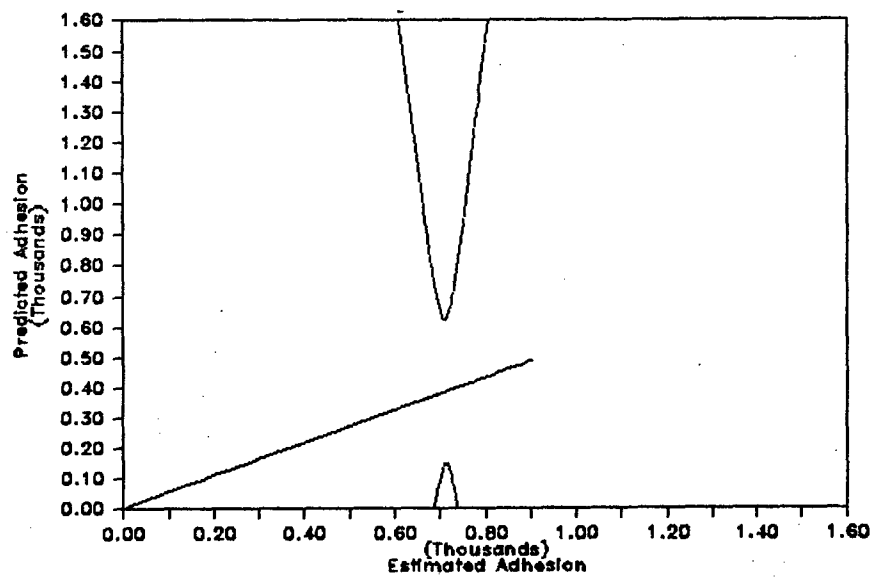


(a) Adhesion vs. Estimate

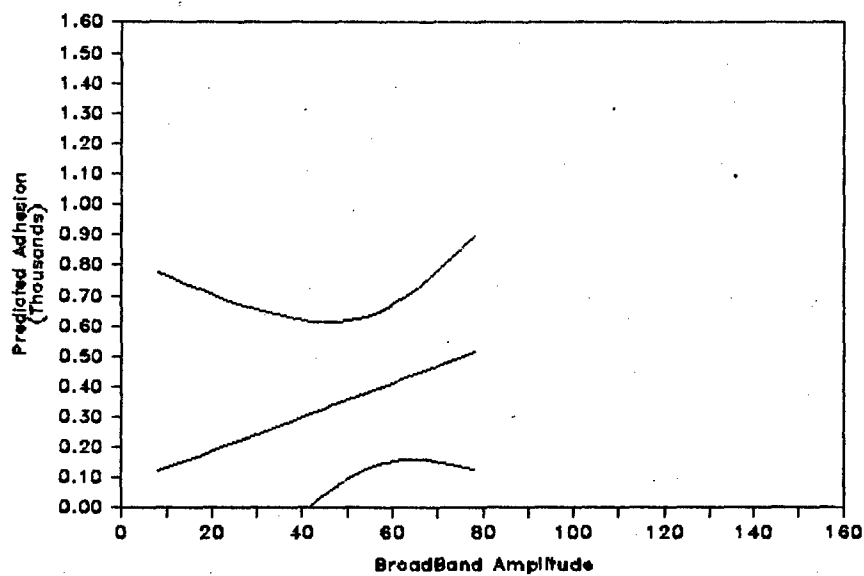


(b) Adhesion vs. Broadband Amplitude

Figure 5-9. Predicted Adhesion vs. ADRIS Parameter Regression 24 x 2.125 Class I

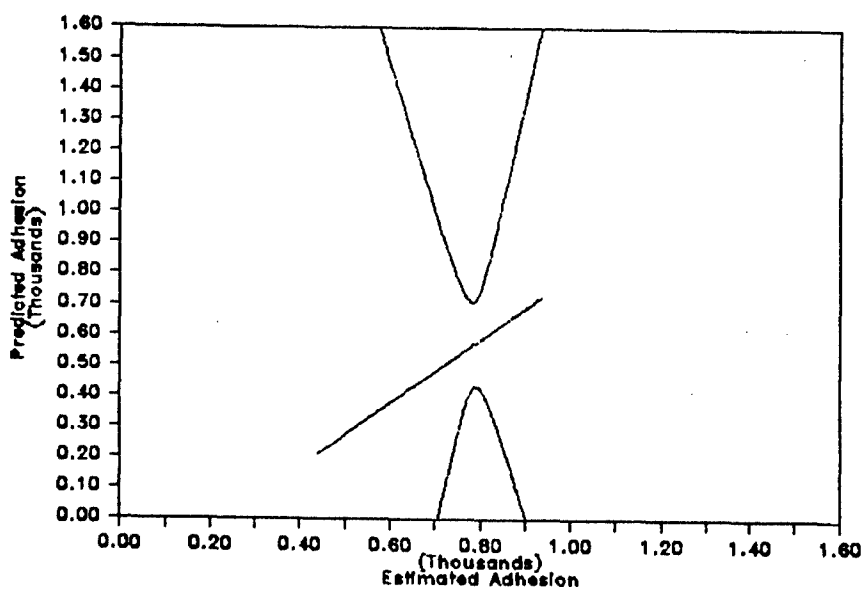


(a) Adhesion vs. Estimate

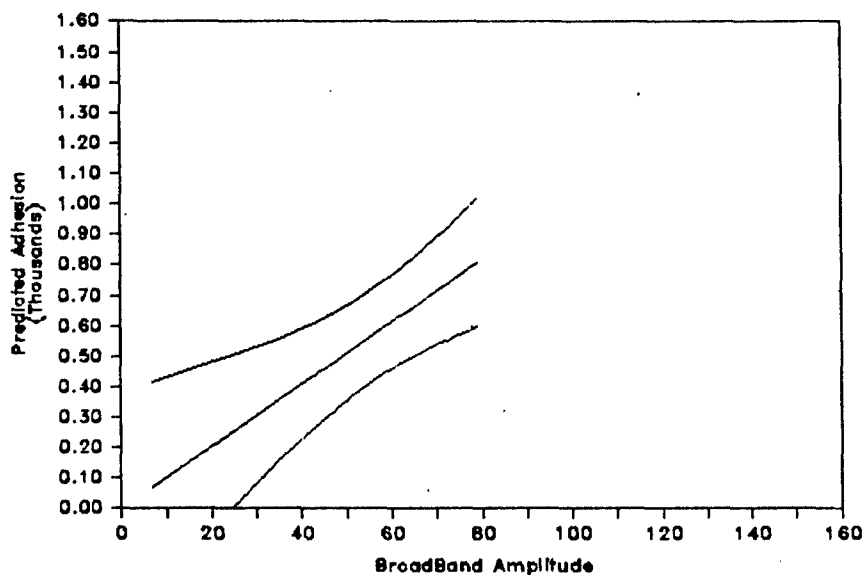


(b) Adhesion vs. Broadband Amplitude

Figure 5-10. Predicted Adhesion vs. ADRIS Parameter Regression 24×3.75

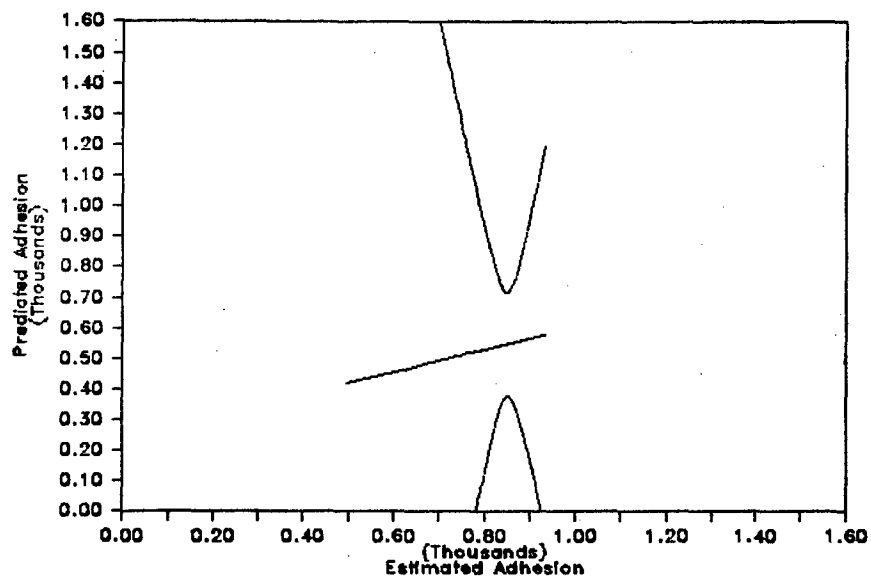


(a) Adhesion vs. Estimate

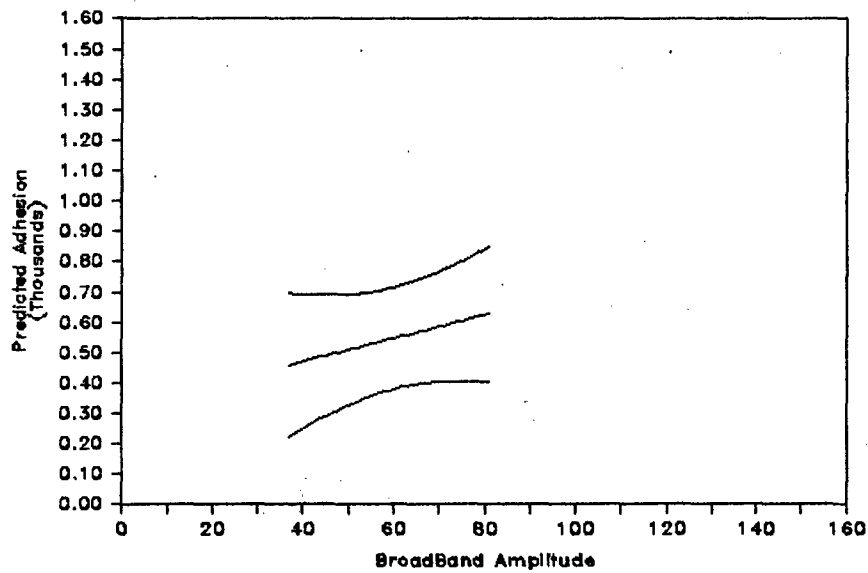


(b) Adhesion vs. Broadband Amplitude

Figure 5-11. Predicted Adhesion vs. ADRIS Parameter Regression 26 x 5.75 Class I



(a) Adhesion vs. Estimate



(b) Adhesion vs. Broadband Amplitude

Figure 5-12. Predicted Adhesion vs. ADRIS Parameter
Regression 26 x 6 Class I

Table 5-3. Regression by "Class I" Roadwheel Size

SIZE	COEFFICIENT OF CORRELATION	REGRESSION LINE
24 in. by 2.12 in.	0.070	$M = 0.289 * E + 221.7$
24 in. by 2-1/8 in.	0.675	$M = 0.386 * E + 165.0$
24 in. by 3-3/4 in.	0.552	$M = 0.537 * E + 4.3$
26 in. by 5-3/4 in.	0.803	$M = 1.034 * E - 243.6$
26 in. by 6 in.	0.223	$M = 0.362 * E + 241.3$

(a.) Estimation

24 in. by 2.12 in.	0.012	$M = 0.290 * B + 473.0$
24 in. by 2-1/8 in.	0.655	$M = 5.249 * B + 171.9$
24 in. by 3-3/4 in.	0.461	$M = 5.588 * B + 76.9$
26 in. by 5-3/4 in.	0.766	$M = 10.193 * B + 0.6$
26 in. by 6 in.	0.279	$M = 3.832 * B + 317.5$

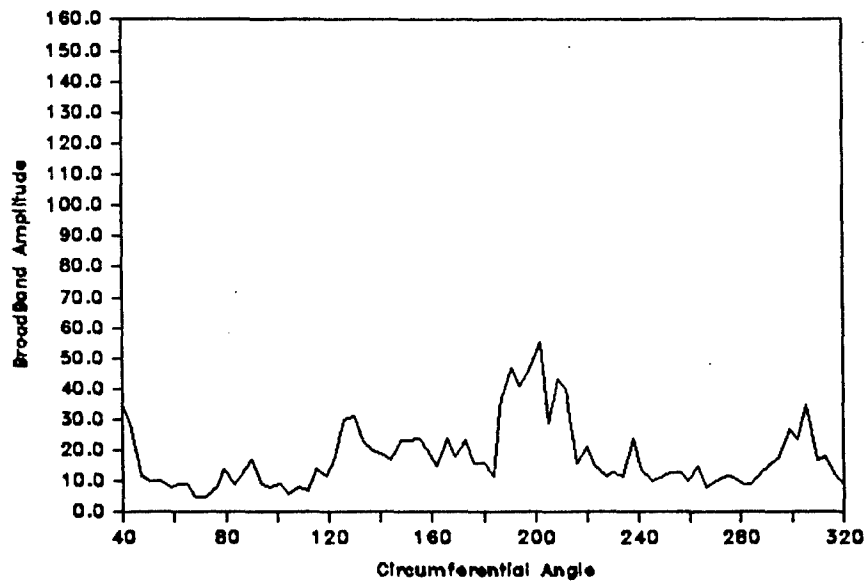
(b.) BroadBand

adhesive strength. In the time period of this field test, only three roadwheels inspected by the ADRIS failed due to adhesion failure. Two of these wheels were deliberately made to possess low bond strength, but the third was a "natural" adhesion failure drawn from a production sample. A pattern of ultrasonic activity was found common to all these failures. This pattern was the presence of broadband amplitude less than a value of 40 for a contiguous circumferential extent equal to or greater than 7.5 inches (or 36° of arc). Figures 5-13, 5-14, and 5-15 show these patterns which predict adhesion failure. Implementing a filter for this pattern in the ADRIS will require programming a Test B analog for the broadband channel with support algorithms.

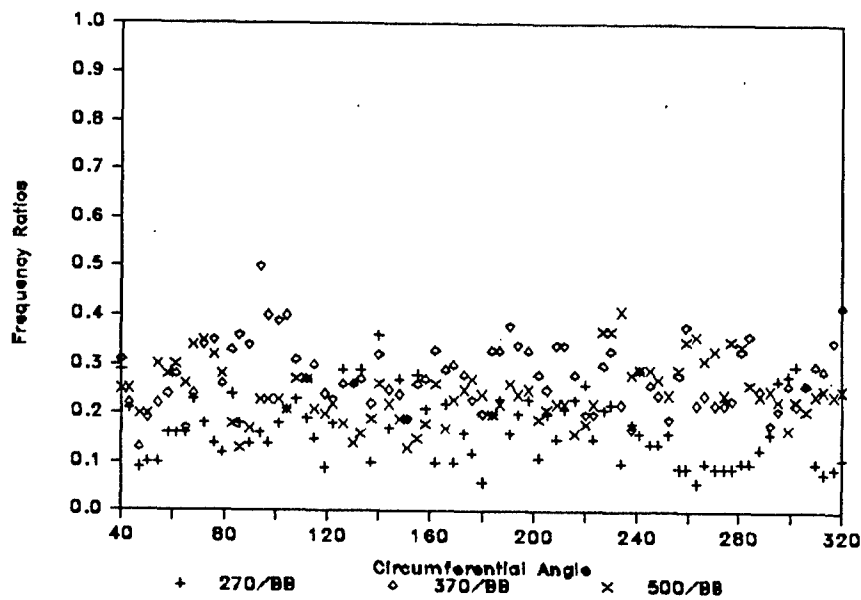
5.2.2 Separation Detection. If the ADRIS is to effectively replace the present peel-strength test, in addition to being able to predict the adhesive strength of the roadwheel rubber-to-metal bond as measured by the peel test, it must be able to detect the presence of rejectable separations in the rubber-to-metal interface as well as the quality assurance personnel do. Thus, the secondary task of the field test was to correlate the peel test separation discoveries with one or more of the ADRIS outputs to find which output yielded the best separation detection and to assess the reliability and accuracy of the detection.

As illustrated in Table 5-4, no ADRIS output provided a usable separation detection capability. The average percentage of separations detected was 40 percent with the larger diameter roadwheels having the larger percentage of detection. The circumstances under which separations were detected when they were detected reveals possible explanations for why the detection rate was so low and yields implications for ADRIS design to increase the detection rate. Figures 5-16 and 5-17 show the ADRIS broadband indication for the most unambiguous detections of separations. The RRAD quality assurance personnel referred to these as "trapped air" pockets. Each was a large diameter separation (0.75 inches or larger) and each was positioned such that it passed under the beam of the ultrasonic transducer during inspection. Invariably, ultrasonically undetected separations were smaller in diameter than 0.75 inches or did not pass under the transducer or both. Figure 5-18 illustrates the interesting case of a 1-inch-diameter separation located at 210° on the circumference which, being on the midline, passed between the beams of a twin transducer configuration. Nevertheless, its diameter was sufficient enough to cause it to register in one or both transducers and thus be detected.

These results imply that the rate of ADRIS-detected separations can be increased by the appropriate modification of ADRIS configuration and firmware. The first modification necessary is one that allows ultrasonic scanning of the entire roadwheel tread. The present ADRIS configuration limits scanning to one or two parallel bands each of 1-inch width around the roadwheel circumference. Incorporation of a linear array of transducers will permit complete coverage of the roadwheel with the guarantee that any separations will fall within an ultrasonic beam sometime during the inspection. Such a modification will require reprogramming of the present system to treat each transducer as an independent channel of input.

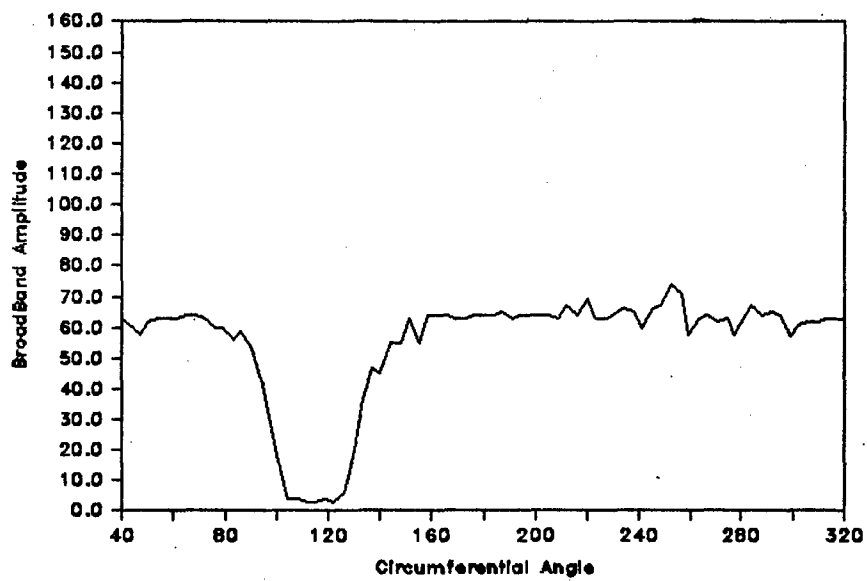


(a) Broadband Amplitude vs. Circumference

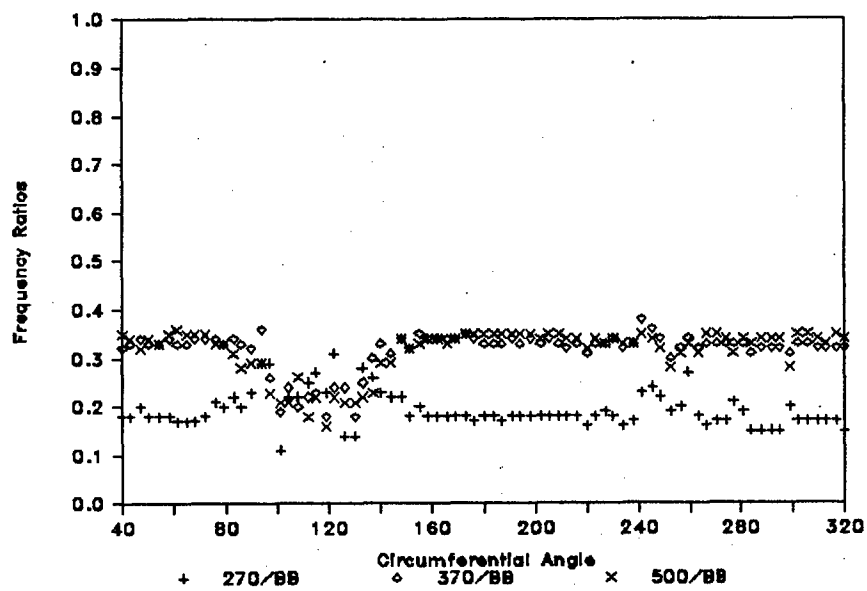


(b) Spectral Activity vs. Circumference

Figure 5-13. ADRIS Indication of Adhesion Failure between 135° and 180° Circumference in 24 x 2.125 Roadwheel F620740

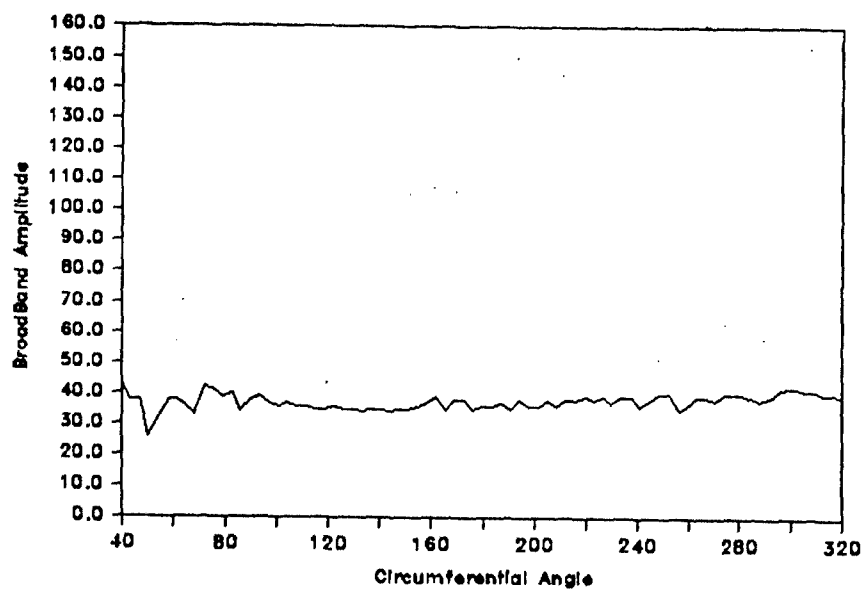


(a) Broadband Amplitude vs. Circumference

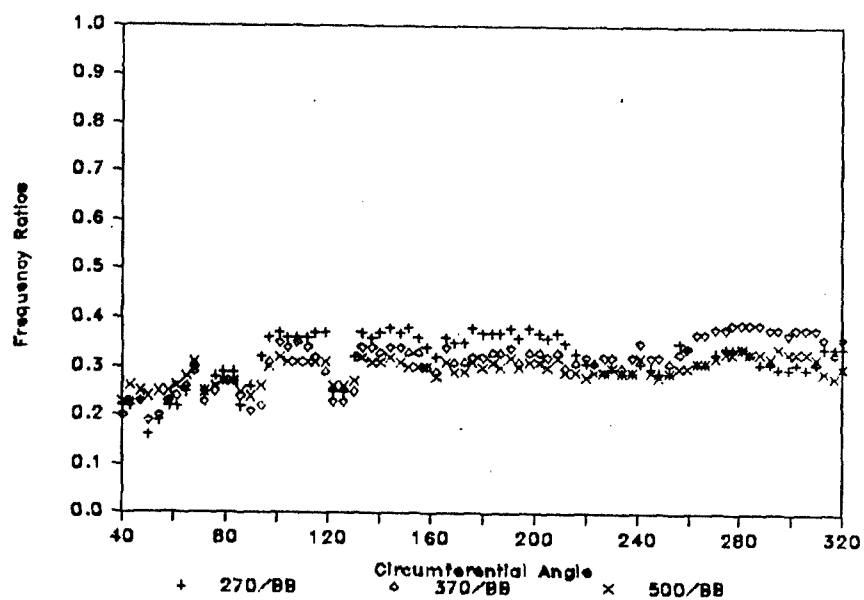


(b) Spectral Activity vs. Circumference

Figure 5-14. ADRIS Indication of Adhesion Failure near 90° Circumference in 24 x 2.125 Roadwheel F620741



(a) Broadband Amplitude vs. Circumference

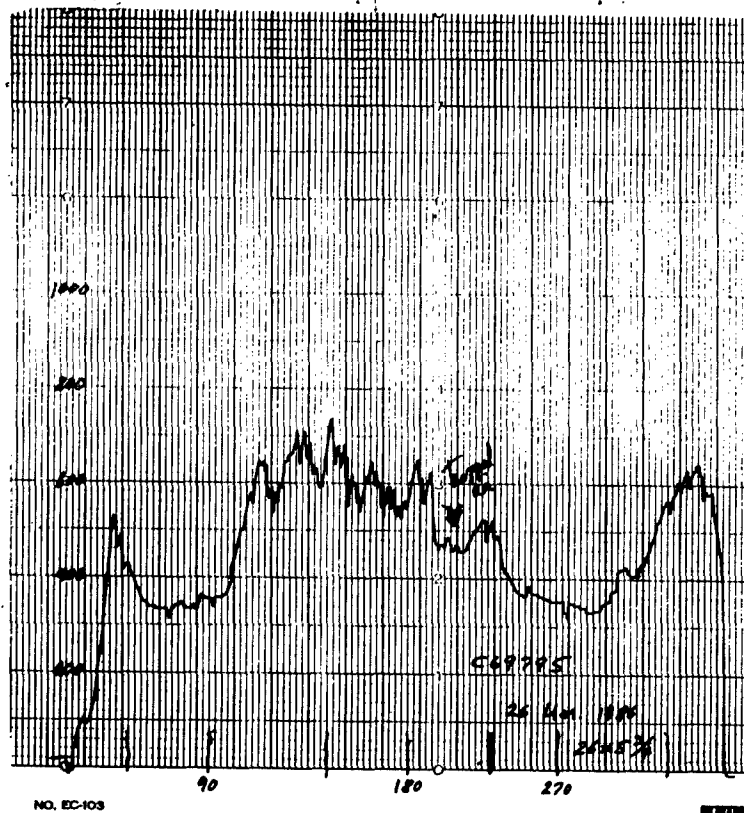


(b) Spectral Activity vs. Circumference

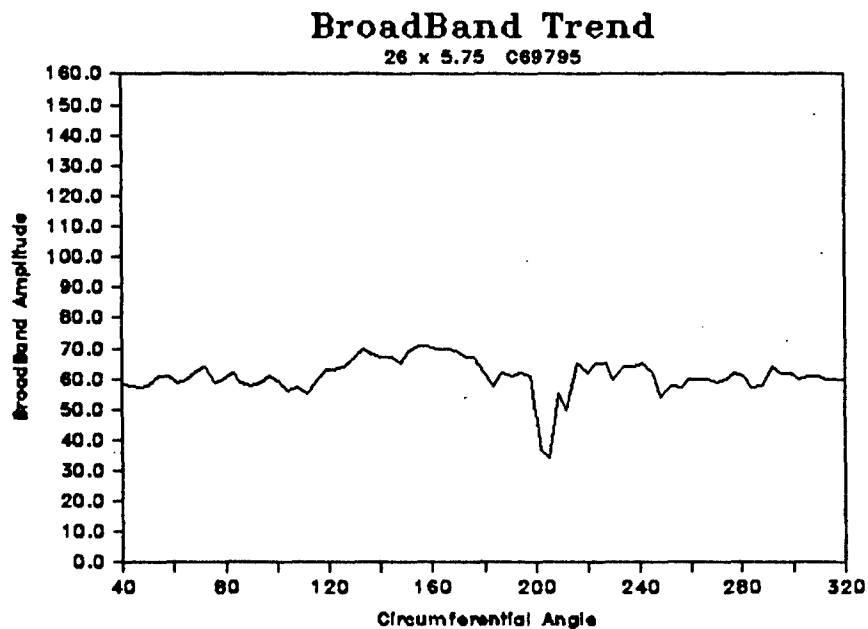
Figure 5-15. ADRIS Indication of Adhesion Failure between 90° and 270° Circumference in 24 x 2.125 Roadwheel B66339

Table 5-4. Summary of ADRIS Separation Detection

SIZE	SEPARATIONS DETECTED	SEPARATIONS MISSED	SEPARATIONS OVERCALLED
24 in. by 2.12 in.	2	2	1
24 in. by 2-1/8 in.	5	10	2
24 in. by 3-3/4 in.	0	0	0
26 in. by 5-3/4 in.	2	2	6
26 in. by 6 in.	5	5	13

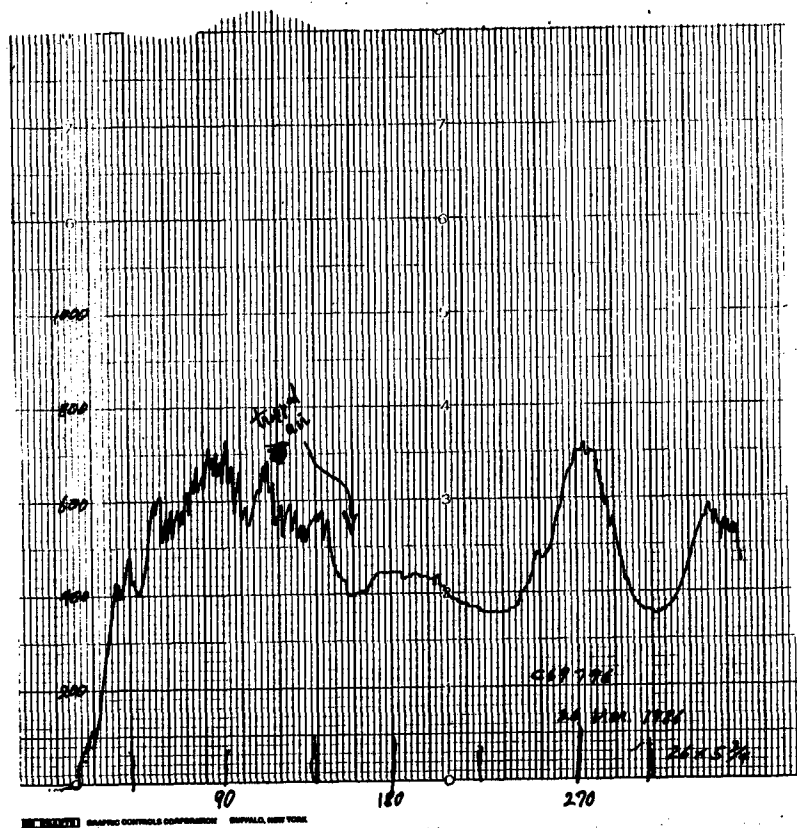


(a) Measured Adhesion vs. Circumference

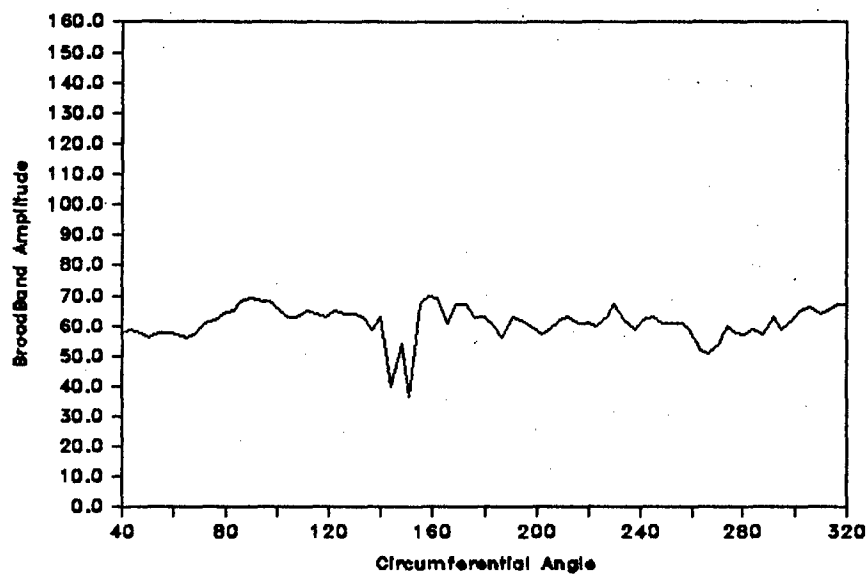


(b) Broadband Amplitude vs. Circumference

Figure 5-16. ADRIS Indication of Separation near 205°
Circumference in 26 x 5.75 Roadwheel C69795

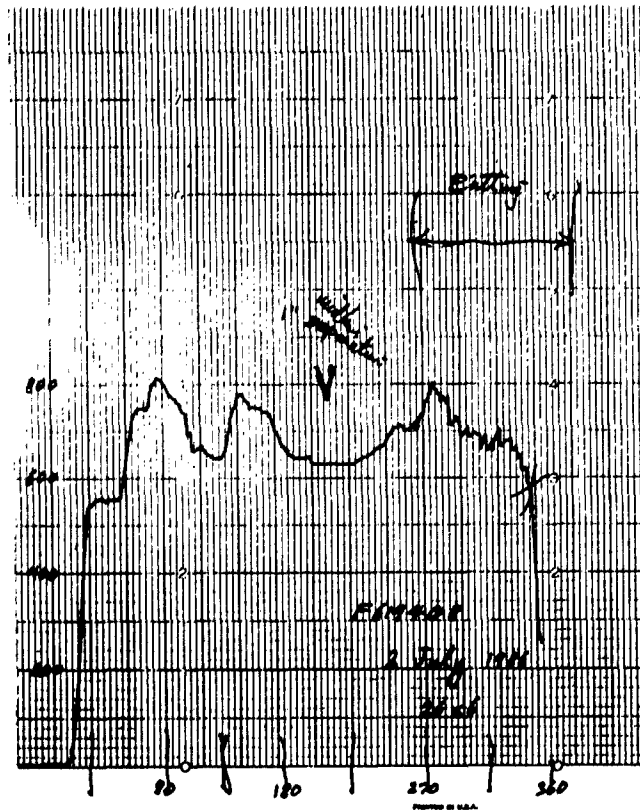


(a) Measured Adhesion vs. Circumference

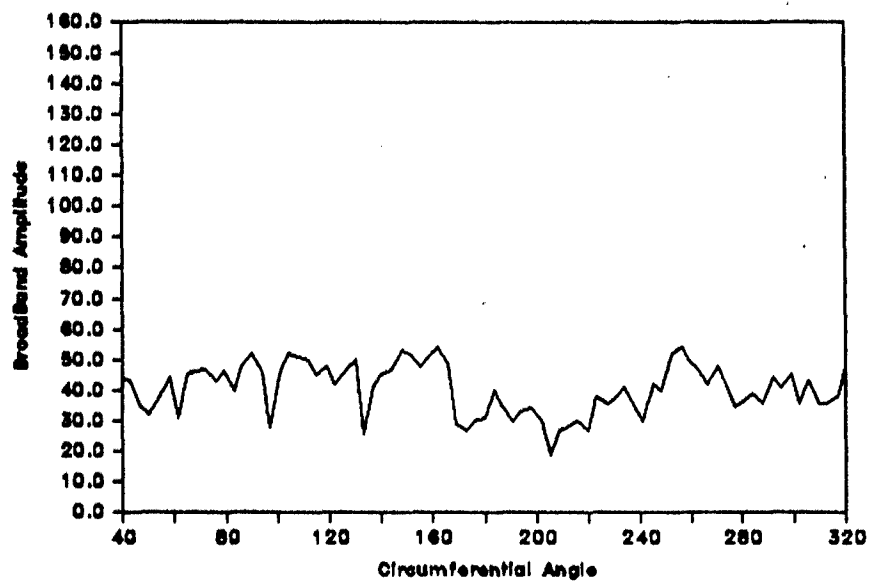


(b) Broadband Amplitude vs. Circumference

Figure 5-17 ADRIS Indication of Separation near 150° Circumference in 26 x 5.75 Roadwheel C69796



(a) Measured Adhesion vs. Circumference



(b) Broadband Amplitude vs. Circumference

Figure 5-18. ADRIS Indication of Separation near 210°
Circumference in 26 x 6 Roadwheel F619408

As discussed in par. 5.2.1, averaging of data among the transducers does not affect the ability of the ADRIS to predict rejectable adhesion, but it may affect the detection of separations, especially if more than two transducers are used. Therefore, the controlling microcomputer must process acquisitions for separation detection as independent channels. This will place such an extra computational load on the present microprocessor hardware that the required inspection time may have to be increased almost proportionally, or a faster microprocessor family will have to be installed.

In addition to implementing a linear transducer array for separation detection, the diameter of each transducer beam will have to be made smaller to increase the resolution of the inspection. RRAD peel test requirements presently reject roadwheel lots on the detection of separation(s) of an apparent diameter of 0.125 inch or larger. Thus, the ADRIS must be able to resolve to this size. As presently configured, the ADRIS acquires ultrasonic reflection data from an area approximately the diameter of 1 inch for each pulse. As a consequence, any separation of 0.125 inch diameter reflecting a fraction s of well-bonded ultrasonic energy N will cause the acquired signal to be reduced by a factor:

$$\frac{63}{64} * N + \frac{s}{64} * N$$

Thus, if the separation is reflecting a fraction very nearly zero, the resulting amplitude of the entire acquired signal would only be 0.984, an insignificant reduction. Such a separation would almost certainly go undetected. However, as the effective transducer beam width approaches the width of the minimum rejectable separation, a greater fraction of the separation's signature weights the acquisition aperture and the net signature increases in significance, increasing detection probability.

Another firmware modification required will be that supporting a higher resolution in the averaging of acquired input to produce sampled values. The present computation of samples yields a maximum resolution of 0.754 inch to 0.817 inch around the circumference for 24 and 26-inch-diameter diameter roadwheels respectively. If it is desired to detect separations of diameter as small as 0.125 inch, the computation of averages must not extend beyond this limit. This sixfold increase in samples will place even heavier loads on the microcomputer's computational and memory resources. It is estimated that present address availability is insufficient for such expansion and that a more powerful microprocessor family will have to be incorporated.

5.2.3 Cosmetic Fault Detection. If the ADRIS is required to replace the present peel-strength test, in addition to being able to predict the adhesive strength of the roadwheel rubber-to-metal bond as measured by the peel test and to detect the presence of rejectable separations in the rubber-to-metal interface as well as the quality assurance personnel do, it

may also be required to detect the so-called "cosmetic faults." These are typically contamination of the bond interface by foreign material, poor joining of the rubber tread splice, and other instances of poor fitting or workmanship revealable only upon destructive testing of the roadwheel. During this field test, no evidence was found to suggest that the ADRIS could detect any of these conditions. However, it is possible that performance in this area could be improved by incorporation of the modifications discussed in par. 5.2.2 to increase the resolution of the ADRIS to detect the presence of separations.

ADDENDUM

Size: 24 X 2.12

Comments: Data extracted from regions
exhibiting smooth adhesion pull.

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										NORM.		
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	EST. PEEL
E614077 :												
115	11	0	11	23	22	69	0.17	0.34	0.32	946	450	349
119	11	0	11	23	22	63	0.18	0.37	0.35	934	450	344
122	11	0	11	23	23	63	0.18	0.37	0.36	939	460	346
126	11	0	12	23	22	64	0.18	0.37	0.35	936	460	345
130	11	0	12	23	22	63	0.19	0.37	0.35	935	460	345
133	11	0	12	24	22	64	0.19	0.37	0.35	940	460	347
137	11	0	13	24	22	63	0.20	0.37	0.35	934	460	344
140	11	0	14	24	22	64	0.22	0.37	0.35	941	450	347
144	11	0	13	23	22	64	0.20	0.36	0.34	938	450	346
148	11	0	14	24	22	66	0.21	0.36	0.33	939	450	346
151	11	0	13	24	22	64	0.20	0.37	0.35	941	450	347
155	11	0	13	24	22	65	0.20	0.37	0.34	935	450	345
158	11	0	13	24	22	64	0.20	0.37	0.35	937	450	345
162	11	0	13	24	22	64	0.20	0.38	0.35	940	460	347
166	11	0	13	24	23	65	0.20	0.36	0.35	946	460	349
169	11	0	13	24	23	64	0.20	0.37	0.36	942	480	347
173	11	0	13	24	23	65	0.20	0.36	0.35	944	480	348
176	11	0	13	23	22	65	0.20	0.36	0.35	941	480	347
180	11	0	13	24	22	69	0.19	0.35	0.33	950	440	350
184	11	0	13	23	23	64	0.20	0.36	0.36	944	450	348
187	11	0	13	24	22	65	0.20	0.36	0.34	937	460	345
191	11	0	13	23	22	64	0.20	0.36	0.35	936	470	345
194	11	0	13	23	23	64	0.21	0.36	0.35	941	460	347
198	11	0	13	23	23	65	0.20	0.36	0.35	944	450	348
202	11	0	12	23	22	65	0.19	0.35	0.34	936	430	345
205	11	0	13	22	23	67	0.19	0.34	0.34	945	440	348
209	11	0	12	23	22	65	0.19	0.35	0.34	938	460	346
212	11	0	12	23	22	72	0.17	0.32	0.31	956	470	352
216	11	0	13	24	23	65	0.19	0.36	0.35	942	490	347
220	11	0	13	24	23	65	0.20	0.37	0.35	943	490	348
223	11	0	13	24	22	65	0.20	0.37	0.35	942	490	347
227	11	0	13	24	23	65	0.20	0.37	0.35	946	490	349
230	11	0	13	24	23	65	0.20	0.37	0.35	945	500	348
234	11	0	13	24	23	66	0.20	0.37	0.35	952	540	351
270	11	0	12	22	22	67	0.18	0.33	0.33	941	870	347
274	11	0	12	22	22	64	0.19	0.35	0.34	934	600	344
277	11	0	12	22	22	71	0.17	0.31	0.31	946	500	349
281	11	0	12	22	22	63	0.19	0.35	0.35	932	460	344
284	11	0	12	22	22	64	0.19	0.34	0.34	932	430	344
288	11	0	12	21	22	68	0.17	0.31	0.32	931	430	343
292	11	0	12	21	22	67	0.17	0.31	0.32	929	430	343
295	11	0	11	21	22	68	0.17	0.31	0.33	932	430	344
299	11	0	12	22	22	67	0.18	0.32	0.34	939	440	346

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
302	11	0	12	21	22	69	0.18	0.31	0.33	941	440	347
306	11	0	12	21	22	65	0.19	0.33	0.34	926	440	341
310	11	0	12	21	22	72	0.17	0.29	0.31	944	420	348
313	11	0	12	21	22	65	0.18	0.32	0.34	925	420	341
317	11	0	12	21	22	64	0.20	0.33	0.34	924	430	341
320	11	0	13	22	22	63	0.21	0.35	0.35	926	440	341
324	11	0	13	22	22	63	0.21	0.35	0.36	932	450	344
328	11	0	13	22	22	63	0.21	0.34	0.35	933	470	344
331	11	0	13	22	22	65	0.20	0.33	0.35	935	490	345
335	11	0	12	21	22	64	0.19	0.33	0.35	928	500	342
338	11	0	13	22	23	65	0.20	0.34	0.35	940	500	347
342	11	0	12	21	22	69	0.17	0.30	0.32	934	500	344
346	11	0	12	21	22	63	0.19	0.34	0.35	924	500	341
349	11	0	13	22	22	62	0.20	0.35	0.35	928	500	342
353	11	0	13	22	22	64	0.20	0.35	0.34	931	490	343
356	11	0	13	23	22	63	0.20	0.36	0.35	931	520	343
360	22	0	14	22	22	63	0.22	0.35	0.34	925	480	341
E614093 :												
112	11	0	13	24	22	65	0.21	0.37	0.34	931	510	343
115	10	0	14	23	22	65	0.21	0.36	0.34	939	510	346
119	6	0	14	23	22	63	0.22	0.37	0.35	935	510	345
122	0	0	14	20	17	55	0.25	0.37	0.31	823	500	303
126	1	0	13	19	17	56	0.24	0.34	0.30	818	500	302
130	3	0	14	23	22	64	0.22	0.36	0.34	933	490	344
133	11	0	14	24	22	64	0.22	0.37	0.35	935	490	345
137	10	0	15	24	22	64	0.23	0.37	0.35	937	480	345
140	11	0	14	24	22	64	0.22	0.38	0.35	936	480	345
144	10	0	14	24	22	65	0.21	0.37	0.34	940	490	347
148	32	0	14	24	21	62	0.23	0.38	0.34	920	480	339
151	32	0	14	24	22	64	0.23	0.38	0.34	928	480	342
155	27	0	14	24	21	63	0.23	0.38	0.33	914	500	337
158	10	0	13	24	22	62	0.22	0.38	0.36	936	490	345
162	11	0	13	23	22	63	0.21	0.37	0.35	933	480	344
166	10	0	13	23	22	63	0.21	0.37	0.35	933	470	344
169	11	0	13	23	22	64	0.20	0.36	0.35	935	470	345
173	10	0	13	23	22	66	0.19	0.34	0.33	941	500	347
176	11	0	12	23	22	65	0.19	0.35	0.34	938	480	346
180	10	0	12	23	22	75	0.16	0.30	0.30	961	480	354
184	11	0	12	23	22	66	0.18	0.35	0.34	939	480	346
187	10	0	12	23	22	65	0.18	0.35	0.34	936	470	345
191	11	0	12	23	22	64	0.19	0.36	0.34	933	480	344
194	10	0	12	23	22	67	0.18	0.34	0.32	936	450	345
198	11	0	12	23	22	66	0.18	0.35	0.33	933	480	344
202	10	0	12	23	22	66	0.18	0.34	0.33	934	490	344
205	11	0	12	23	22	71	0.17	0.32	0.31	950	490	350
209	10	0	13	23	22	66	0.19	0.34	0.33	937	470	345
212	11	0	12	22	22	76	0.16	0.29	0.29	965	460	356
216	10	0	12	22	22	68	0.18	0.33	0.33	940	460	347
220	11	0	12	22	22	67	0.18	0.33	0.33	933	470	344
223	10	0	12	22	22	66	0.19	0.33	0.33	929	480	343
227	11	0	12	22	22	65	0.19	0.34	0.34	934	480	344
230	10	0	13	22	22	66	0.19	0.33	0.34	934	470	344
234	11	0	12	22	22	66	0.19	0.34	0.33	931	490	343
238	10	0	12	21	22	73	0.17	0.29	0.31	949	480	350

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
241	11	0	12	21	22	67	0.19	0.32	0.33	934	460	344
245	10	0	13	22	22	75	0.17	0.29	0.30	960	460	354
248	11	0	12	22	22	69	0.18	0.31	0.32	939	460	346
252	10	0	12	21	22	68	0.18	0.32	0.33	936	470	345
256	11	0	12	20	22	69	0.18	0.30	0.32	929	490	343
259	10	0	12	20	22	70	0.17	0.29	0.31	932	510	344
263	11	0	12	20	22	71	0.16	0.28	0.31	930	530	343
266	10	0	11	20	22	71	0.16	0.28	0.31	929	560	343
270	11	0	12	20	22	75	0.16	0.27	0.30	944	580	348
E614102 :												
47	11	0	13	23	22	64	0.19	0.36	0.34	936		345
50	10	0	12	23	22	65	0.19	0.36	0.34	935		345
54	11	0	12	22	22	67	0.18	0.34	0.33	938	430	346
58	10	0	12	23	22	64	0.19	0.35	0.34	935	540	345
61	11	0	12	22	22	71	0.17	0.31	0.31	951	490	351
65	10	0	13	22	22	62	0.21	0.36	0.35	931	480	343
68	11	0	13	22	22	65	0.20	0.34	0.34	938	480	346
72	10	0	12	20	22	67	0.18	0.30	0.32	920	480	339
76	11	0	13	21	21	62	0.20	0.33	0.34	913	480	337
79	10	0	12	21	21	64	0.19	0.33	0.33	911	480	336
83	11	0	13	21	22	64	0.20	0.33	0.34	918	480	338
86	10	0	13	21	21	67	0.19	0.31	0.32	921	480	340
90	11	0	12	21	22	64	0.19	0.33	0.34	922	480	340
94	10	0	13	21	22	70	0.18	0.30	0.31	936	480	345
97	11	0	12	21	21	68	0.18	0.31	0.31	920	500	339
101	10	0	13	21	21	65	0.20	0.32	0.33	917	470	338
104	11	0	13	21	22	68	0.19	0.31	0.32	929	510	343
108	10	0	13	21	22	64	0.20	0.33	0.34	926	560	341
E614161 :												
180	19	0	12	22	21	65	0.19	0.34	0.33	920	790	339
184	33	0	12	22	22	64	0.19	0.35	0.34	928	410	342
187	11	0	10	22	22	68	0.15	0.32	0.33	938	420	346
191	11	0	10	22	22	72	0.14	0.30	0.31	949	420	350
194	11	0	10	22	22	66	0.16	0.33	0.33	933	420	344
198	11	0	10	22	22	70	0.15	0.31	0.32	946	430	349
202	11	0	10	22	22	67	0.15	0.33	0.33	940	470	347
205	11	0	10	22	22	68	0.15	0.32	0.32	937	440	345
209	11	0	11	22	22	65	0.16	0.33	0.34	933	440	344
212	11	0	11	22	22	64	0.17	0.34	0.34	927	440	342
216	11	0	11	22	22	64	0.17	0.34	0.34	925	460	341
220	11	0	11	22	21	64	0.18	0.34	0.34	921	480	340
223	11	0	11	22	22	64	0.18	0.34	0.34	923	490	340
227	11	0	11	21	22	65	0.17	0.32	0.34	927	530	342
230	10	0	11	21	21	65	0.17	0.32	0.33	920	540	339
234	11	0	11	21	22	66	0.16	0.32	0.33	929	540	343
238	11	0	11	21	22	69	0.15	0.31	0.32	938	560	346
241	11	0	11	21	21	63	0.17	0.34	0.34	917	590	338
245	11	0	11	21	22	63	0.17	0.34	0.34	921	620	340
248	11	0	11	22	22	62	0.17	0.35	0.35	919	470	339
252	11	0	11	21	21	62	0.17	0.35	0.34	914	480	337
256	11	0	10	22	21	64	0.16	0.33	0.33	918	490	338
259	11	0	10	22	22	63	0.17	0.35	0.35	927	490	342
263	11	0	10	22	22	63	0.17	0.35	0.35	928	500	342
266	11	0	11	22	22	64	0.17	0.35	0.34	927	520	342

						BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
270	11	0	11	23	22	68	0.16	0.33	0.32	943	550	348
E614174 :												
148	11	0	10	19	22	78	0.13	0.24	0.29	938	450	346
151	10	0	10	19	22	79	0.13	0.24	0.28	942	460	347
155	11	0	10	19	22	80	0.13	0.24	0.28	949	460	350
158	10	0	10	18	22	81	0.12	0.23	0.28	947	460	349
162	11	0	10	19	22	85	0.12	0.22	0.27	961	460	354
166	10	0	11	20	22	65	0.16	0.31	0.34	919	460	339
169	11	0	10	19	22	84	0.12	0.23	0.27	966	460	356
173	10	0	10	19	22	81	0.13	0.24	0.28	954	480	352
176	11	0	11	20	22	81	0.13	0.25	0.27	963	460	355
180	10	0	11	21	23	76	0.14	0.27	0.30	959	460	354
184	11	0	11	22	21	62	0.19	0.35	0.35	917	460	338
187	18	0	12	20	21	62	0.19	0.33	0.34	905	460	334
191	0	0	12	19	19	60	0.20	0.32	0.32	868	460	320
194	3	0	12	20	19	59	0.20	0.34	0.33	870	460	321
198	11	0	12	21	21	64	0.19	0.33	0.33	913	460	337
202	10	0	10	20	23	83	0.13	0.24	0.27	974	460	359
205	11	0	10	19	22	74	0.14	0.26	0.30	931	460	343
209	10	0	12	21	21	63	0.19	0.34	0.34	912	450	336
212	4	0	12	20	19	58	0.20	0.35	0.34	871	450	321
216	0	0	12	21	20	56	0.20	0.37	0.35	877	450	323
220	5	0	11	20	22	67	0.17	0.30	0.32	922	440	340
223	10	0	11	19	22	80	0.13	0.24	0.28	947	440	349
E614234 :												
47	10	0	11	21	22	68	0.16	0.31	0.32	928		342
50	10	0	11	21	22	67	0.16	0.31	0.33	929		343
54	11	0	11	21	22	77	0.14	0.27	0.29	961	600	354
58	10	0	11	21	22	70	0.16	0.30	0.32	939	700	346
61	11	0	11	21	22	70	0.16	0.30	0.32	939	720	346
65	10	0	12	22	22	69	0.17	0.31	0.32	939	770	346
68	11	0	12	22	22	71	0.17	0.31	0.31	942	450	347
72	10	0	12	21	22	70	0.17	0.30	0.32	941	470	347
76	11	0	12	21	22	70	0.17	0.31	0.32	943	480	348
79	10	0	12	21	22	73	0.16	0.29	0.30	945	490	348
83	11	0	12	21	23	67	0.17	0.31	0.34	935	500	345
86	10	0	12	21	23	81	0.14	0.26	0.28	974	520	359
90	11	0	11	21	23	74	0.15	0.28	0.31	950	520	350
94	10	0	11	21	23	71	0.16	0.29	0.32	941	520	347
97	11	0	11	21	22	74	0.15	0.28	0.30	949	520	350
101	10	0	12	20	23	73	0.16	0.28	0.31	950	520	350
104	11	0	11	21	22	72	0.16	0.29	0.31	947	520	349
108	10	0	11	21	22	72	0.16	0.29	0.31	943	520	348
112	11	0	11	20	23	76	0.14	0.27	0.30	957	520	353
115	10	0	11	20	22	70	0.16	0.29	0.31	931	500	343
119	11	0	11	21	23	83	0.14	0.25	0.27	981	500	362
122	10	0	11	21	22	74	0.15	0.28	0.30	949	510	350
126	11	0	11	21	22	75	0.15	0.28	0.30	947	500	349
130	10	0	12	21	22	75	0.16	0.27	0.30	954	480	352
133	11	0	12	22	23	73	0.16	0.29	0.31	956	480	352
137	10	0	11	21	22	73	0.16	0.28	0.31	945	480	348
140	11	0	11	20	22	70	0.16	0.29	0.31	933	480	344
144	10	0	11	21	22	76	0.15	0.27	0.30	955	480	352
148	11	0	11	20	22	71	0.15	0.28	0.32	935	470	345

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
						BAND	BBAND	BBAND	BBAND			
151	10	0	10	19	23	86	0.12	0.22	0.27	977	490	360
155	11	0	11	20	22	76	0.14	0.26	0.29	945	520	348
158	10	0	10	20	23	75	0.14	0.26	0.30	943	550	348
252	10	0	12	22	23	65	0.18	0.34	0.35	942	500	347
256	11	0	12	23	23	64	0.19	0.35	0.35	942	500	347
259	10	0	12	23	22	65	0.18	0.35	0.34	940	500	347
263	11	0	12	23	22	64	0.19	0.36	0.34	934	510	344
266	10	0	12	23	22	66	0.18	0.35	0.34	943	510	348
270	11	0	12	23	23	64	0.19	0.36	0.35	942	510	347
274	10	0	12	23	22	64	0.19	0.36	0.35	935	510	345
277	11	0	12	23	22	65	0.19	0.36	0.34	935	510	345
281	10	0	12	23	22	65	0.19	0.35	0.34	935	500	345
284	11	0	12	23	23	65	0.19	0.35	0.35	942	500	347
288	10	0	12	22	23	65	0.19	0.34	0.35	940	500	347
292	11	0	12	22	23	65	0.19	0.35	0.35	941	500	347
295	10	0	12	23	22	64	0.19	0.36	0.35	933	500	344
299	11	0	12	22	22	65	0.19	0.34	0.34	938	500	346
302	10	0	12	22	22	66	0.19	0.33	0.34	936	480	345
306	11	0	12	22	22	66	0.18	0.32	0.34	938	440	346
310	10	0	12	22	22	64	0.20	0.34	0.35	932	410	344
313	11	0	12	22	22	73	0.17	0.30	0.31	955	400	352
317	10	0	12	22	22	69	0.18	0.31	0.32	942	400	347
320	11	0	13	23	23	66	0.20	0.34	0.34	948	380	350
324	10	0	13	23	22	64	0.20	0.35	0.35	935	380	345
328	11	0	12	22	23	65	0.19	0.33	0.35	938	390	346
331	10	0	12	22	22	65	0.19	0.34	0.34	935	390	345
335	11	0	13	22	22	64	0.20	0.34	0.34	925	400	341
338	10	0	13	22	22	65	0.19	0.33	0.34	935	400	345
342	11	0	12	22	22	64	0.19	0.34	0.35	933	410	344
346	10	0	12	22	22	69	0.18	0.31	0.32	944	420	348
349	11	0	12	22	23	66	0.19	0.33	0.34	938	420	346
353	10	0	12	21	22	65	0.18	0.33	0.35	932	420	344
356	11	0	12	21	22	68	0.18	0.32	0.33	936	410	345
360	10	0	12	22	22	65	0.18	0.33	0.34	933	400	344
E615312 :												
47	11	0	12	22	23	65	0.19	0.34	0.35	942	560	347
50	10	0	12	22	23	68	0.18	0.33	0.33	946	540	349
54	11	0	12	22	23	67	0.18	0.33	0.34	948	560	350
58	10	0	12	22	23	67	0.18	0.33	0.34	945	540	348
61	11	0	12	22	22	70	0.17	0.32	0.32	948	580	350
65	10	0	12	22	22	68	0.18	0.33	0.33	944	560	348
68	11	0	12	22	22	67	0.18	0.33	0.34	940	580	347
72	10	0	12	22	22	66	0.19	0.34	0.34	939	600	346
76	11	0	12	22	23	70	0.17	0.31	0.32	949	530	350
79	10	0	12	22	22	66	0.18	0.33	0.34	939	560	346
83	11	0	12	22	22	66	0.18	0.33	0.34	939	580	346
86	10	0	12	22	22	65	0.19	0.33	0.34	934	540	344
90	11	0	12	22	23	67	0.18	0.33	0.34	942	600	347
94	10	0	12	22	22	70	0.17	0.31	0.32	944	600	348
97	11	0	12	21	23	67	0.18	0.32	0.34	941	560	347
148	24	0	12	21	21	65	0.19	0.32	0.33	913	440	337
151	0	0	12	19	18	63	0.20	0.30	0.29	853	490	314
155	0	0	12	19	18	62	0.20	0.31	0.29	844	520	311
158	1	0	12	21	20	63	0.19	0.33	0.32	894	560	330

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
162	11	0	12	22	22	68	0.18	0.32	0.33	939	630	346
166	10	0	12	22	22	68	0.17	0.32	0.33	941	660	347
169	11	0	11	22	22	65	0.17	0.34	0.34	932	720	344
173	10	0	12	22	23	69	0.17	0.31	0.32	947	730	349
176	11	0	12	22	22	65	0.18	0.34	0.34	930	750	343
180	10	0	12	22	22	64	0.18	0.34	0.35	934	790	344
227	11	0	11	21	22	63	0.18	0.34	0.35	922	700	340
230	10	0	11	21	22	63	0.17	0.33	0.35	925	490	341
234	11	0	11	21	22	64	0.17	0.33	0.34	928	540	342
238	10	0	11	21	21	62	0.18	0.34	0.34	915	540	337
241	11	0	11	21	22	62	0.17	0.34	0.35	921	550	340
245	10	0	11	21	22	64	0.17	0.32	0.34	920	560	339
248	11	0	11	21	22	63	0.17	0.33	0.34	918	570	338
252	10	0	11	20	22	64	0.17	0.32	0.35	919	590	339
256	11	0	11	21	22	64	0.17	0.32	0.34	920	650	339
259	10	0	10	20	22	64	0.16	0.32	0.35	919	690	339
263	11	0	11	21	22	66	0.16	0.32	0.33	924	680	341
266	10	0	11	21	22	64	0.16	0.32	0.34	921	730	340
270	11	0	11	21	22	69	0.16	0.30	0.32	931	720	343
E615492 :												
101	10	0	11	21	22	65	0.16	0.32	0.34	923	500	340
104	11	0	11	21	23	75	0.14	0.28	0.30	955	480	352
108	10	0	11	21	22	66	0.16	0.32	0.33	925	500	341
112	11	0	11	21	22	63	0.17	0.33	0.35	918	430	338
115	10	0	11	21	22	66	0.17	0.32	0.33	924	480	341
119	11	0	11	21	22	64	0.18	0.33	0.35	928	520	342
180	10	0	12	22	23	65	0.18	0.34	0.35	939	650	346
184	11	0	13	23	23	63	0.20	0.36	0.36	934	370	344
187	10	0	12	22	23	64	0.18	0.34	0.36	937	400	345
191	11	0	12	22	23	65	0.18	0.34	0.35	937	410	345
194	10	0	12	22	22	66	0.18	0.33	0.34	934	430	344
198	11	0	12	22	23	63	0.18	0.35	0.36	935	460	345
270	11	0	13	23	23	64	0.20	0.35	0.35	935	580	345
274	41	0	12	22	22	63	0.19	0.35	0.36	929	360	343
277	11	0	12	23	23	63	0.19	0.36	0.36	935	390	345
281	10	0	12	22	23	62	0.20	0.36	0.36	933	360	344
284	11	0	12	23	23	63	0.19	0.36	0.36	938	360	346
288	10	0	12	23	22	64	0.19	0.35	0.35	931	370	343
E615625 :												
47	11	0	11	21	21	60	0.18	0.35	0.36	910	420	336
50	10	0	11	20	21	67	0.16	0.30	0.32	917	410	338
54	4	0	10	21	21	61	0.17	0.34	0.34	904	400	333
58	42	0	11	21	20	60	0.19	0.34	0.33	885	400	326
61	11	0	11	21	21	62	0.18	0.34	0.34	911	410	336
65	6	0	11	21	21	61	0.19	0.34	0.34	904	410	333
68	1	0	12	20	20	60	0.20	0.33	0.33	881	420	325
72	0	0	12	19	19	60	0.19	0.31	0.32	858	440	316
76	5	0	12	20	21	61	0.19	0.33	0.34	899	470	331
79	26	0	11	20	20	61	0.19	0.33	0.33	892	520	329
E615861 :												
47	11	0	11	20	23	79	0.14	0.26	0.29	960	390	354
50	10	0	11	20	23	75	0.15	0.26	0.30	944	400	348
54	11	0	11	21	23	72	0.16	0.29	0.32	947	400	349
E615866 :												

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
83	11	0	11	24	24	71	0.16	0.34	0.34	1718	880	633
86	10	0	12	24	23	70	0.17	0.35	0.34	1689	700	623
90	11	0	12	24	24	72	0.17	0.34	0.33	1718	820	633
94	10	0	13	25	23	69	0.19	0.36	0.34	1685	740	621
97	11	0	13	25	24	68	0.19	0.36	0.34	1707	670	629
101	10	0	13	24	23	68	0.20	0.36	0.34	1682	770	620
104	11	0	14	24	22	67	0.21	0.35	0.33	1622	720	598
108	10	0	14	24	22	67	0.21	0.36	0.33	1628	810	600
112	11	0	14	24	22	67	0.21	0.35	0.34	1640	740	605
115	10	0	14	24	22	67	0.20	0.35	0.33	1609	670	593
119	11	0	14	24	23	67	0.21	0.36	0.34	1651	630	609
122	10	0	14	24	23	66	0.21	0.36	0.35	1701	700	627
126	11	0	14	24	23	67	0.21	0.36	0.34	1653	760	609
130	10	0	14	25	23	68	0.20	0.37	0.34	1682	710	620
133	11	0	13	25	23	67	0.20	0.38	0.35	1705	630	629
137	10	0	13	25	23	71	0.19	0.35	0.33	1671	420	616
140	11	0	13	25	23	67	0.20	0.37	0.34	1666	430	614
144	10	0	13	25	23	68	0.19	0.36	0.33	1654	440	610
148	10	0	13	25	23	67	0.20	0.37	0.35	1704	450	628
151	10	0	13	25	23	67	0.19	0.37	0.35	1698	440	626
155	11	0	13	25	23	70	0.19	0.36	0.34	1689	440	623
158	10	0	13	25	24	72	0.18	0.35	0.33	1680	440	619
162	11	0	13	25	24	70	0.18	0.35	0.34	1703	440	628
166	10	0	12	25	23	69	0.18	0.35	0.34	1679	440	619
169	11	0	12	24	24	88	0.13	0.27	0.27	1622	440	598
173	10	0	11	22	24	77	0.15	0.29	0.31	1681	430	620
176	11	0	13	24	23	67	0.19	0.35	0.34	1661	430	612
180	10	0	14	24	22	66	0.20	0.36	0.33	1586	440	585
184	11	0	12	22	24	75	0.16	0.30	0.32	1672	440	616
187	10	0	11	22	25	83	0.14	0.27	0.30	1676	450	618
191	11	0	11	22	24	83	0.13	0.27	0.28	1622	450	598
194	10	0	11	22	24	80	0.14	0.28	0.30	1637	440	604
198	11	0	11	21	24	73	0.15	0.29	0.32	1659	450	612
202	10	0	11	21	24	90	0.12	0.23	0.26	1594	460	588
205	11	0	11	21	23	81	0.13	0.26	0.29	1591	440	587
209	10	0	11	22	24	75	0.14	0.29	0.32	1663	430	613
212	11	0	11	21	23	77	0.14	0.27	0.30	1608	430	593
216	10	0	10	21	24	84	0.12	0.25	0.28	1599	420	590
220	11	0	10	21	24	90	0.11	0.23	0.26	1583	420	584
223	10	0	10	21	24	84	0.12	0.25	0.28	1609	420	593
227	11	0	10	22	24	86	0.12	0.25	0.27	1599	420	590
230	10	0	12	23	22	68	0.17	0.33	0.33	1614	420	595
234	11	0	12	23	23	73	0.16	0.32	0.31	1613	420	595
238	10	0	12	23	22	67	0.18	0.35	0.33	1628	420	600
241	11	0	12	23	22	67	0.18	0.34	0.33	1617	420	596
245	10	0	10	22	23	79	0.13	0.28	0.30	1624	420	599
248	11	0	11	23	22	71	0.16	0.32	0.32	1606	420	592
252	10	0	13	22	21	65	0.20	0.34	0.33	1576	420	581
256	11	0	13	23	21	64	0.20	0.35	0.33	1567	420	578
259	10	0	13	23	22	66	0.20	0.35	0.33	1618	430	597
263	10	0	13	23	22	66	0.19	0.34	0.33	1610	420	594
266	10	0	12	23	21	65	0.19	0.35	0.33	1572	410	580
270	11	0	13	23	23	66	0.20	0.36	0.34	1651	410	609

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
61	11	0	10	20	22	78	0.13	0.25	0.28	945	490	348
65	10	0	11	21	22	67	0.16	0.31	0.32	922	510	340
68	11	0	11	21	21	64	0.18	0.33	0.33	915	500	337
72	10	0	11	21	22	68	0.16	0.30	0.32	925	500	341
76	11	0	11	20	22	70	0.15	0.29	0.31	925	500	341
79	10	0	10	20	22	84	0.12	0.24	0.26	966	500	356
83	11	0	10	22	22	79	0.13	0.27	0.28	969	500	357
86	10	0	10	21	21	73	0.14	0.29	0.29	933	510	344
90	11	0	11	21	22	85	0.12	0.25	0.26	979	530	361
270	11	0	12	23	21	62	0.20	0.37	0.35	918	530	338
274	10	0	13	23	22	63	0.21	0.37	0.35	928	530	342
277	10	0	13	23	22	65	0.20	0.36	0.35	937	530	345
281	10	0	13	22	22	62	0.20	0.36	0.35	919	540	339
284	10	0	12	22	22	68	0.18	0.33	0.33	938	540	346
288	10	0	13	23	22	63	0.20	0.36	0.35	929	540	343
E616453 :												
36	7	0	11	22	21	64	0.17	0.34	0.34	919	480	339
40	0	0	12	21	16	58	0.20	0.36	0.28	814	500	300
43	0	0	13	20	16	55	0.23	0.36	0.28	785	500	289
47	0	0	12	20	16	57	0.21	0.36	0.28	808	500	298
50	0	0	12	21	18	60	0.20	0.35	0.31	860	470	317
54	35	0	12	22	21	63	0.19	0.34	0.34	914	470	337
58	7	0	11	22	21	62	0.18	0.35	0.34	912	470	336
61	11	0	11	22	22	63	0.17	0.34	0.35	924	490	341
65	10	0	11	22	22	65	0.17	0.34	0.34	929	480	343
68	11	0	11	22	22	64	0.17	0.34	0.35	927	480	342
72	10	0	11	22	22	67	0.17	0.33	0.33	936	490	345
76	11	0	11	22	22	62	0.18	0.35	0.35	926	490	341
79	10	0	11	22	22	64	0.17	0.34	0.35	927	490	342
83	11	0	11	21	22	65	0.17	0.33	0.34	926	490	341
86	10	0	11	21	22	64	0.17	0.33	0.34	922	490	340
90	11	0	10	21	22	67	0.16	0.31	0.33	928	490	342
94	10	0	11	21	22	65	0.16	0.32	0.34	923	490	340
97	11	0	11	20	22	68	0.16	0.30	0.33	928	500	342
101	10	0	11	20	22	65	0.16	0.31	0.34	921	500	340
104	11	0	10	21	23	69	0.15	0.30	0.33	936	500	345
108	10	0	11	21	23	65	0.16	0.32	0.35	926	500	341
112	11	0	11	21	22	66	0.17	0.32	0.34	928	500	342
115	10	0	12	21	22	68	0.17	0.30	0.33	930	500	343
119	11	0	12	21	22	67	0.18	0.31	0.33	930	500	343
122	10	0	12	21	23	69	0.17	0.30	0.33	935	500	345
126	11	0	12	20	22	69	0.17	0.29	0.32	932	490	344
130	10	0	11	21	22	71	0.16	0.29	0.32	938	530	346
313	11	0	12	22	22	63	0.20	0.35	0.36	932	540	344
317	10	0	12	23	23	65	0.19	0.35	0.35	938	540	346
320	11	0	12	23	23	65	0.19	0.35	0.35	940	540	347
324	10	0	11	22	23	64	0.17	0.34	0.35	934	550	344
328	11	0	11	22	22	66	0.17	0.34	0.34	936	550	345
331	10	0	11	22	23	69	0.16	0.32	0.33	948	570	350
335	11	0	11	22	23	63	0.18	0.35	0.36	934	580	344
338	10	0	11	22	22	64	0.17	0.35	0.35	932	600	344
342	11	0	11	22	22	63	0.17	0.35	0.34	924	590	341
346	10	0	11	22	22	64	0.17	0.35	0.34	928	600	342
349	11	0	11	22	22	66	0.16	0.34	0.33	929	610	343

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
353	10	0	11	22	22	64	0.17	0.34	0.34	923	660	340
356	11	0	11	22	22	67	0.16	0.33	0.33	930	560	343
360	10	0	11	22	22	65	0.17	0.33	0.34	928	560	342
E616454 :												
83	0	0	17	25	22	63	0.26	0.40	0.35	933	600	344
86	0	0	16	24	23	63	0.26	0.38	0.36	937	580	345
90	0	0	15	23	23	64	0.24	0.37	0.36	940	590	347
94	0	0	15	23	23	64	0.24	0.37	0.36	939	560	346
97	0	0	16	25	23	64	0.25	0.39	0.35	936	570	345
101	0	0	17	25	23	65	0.26	0.39	0.35	940	570	347
104	0	0	16	25	22	63	0.26	0.39	0.36	933	580	344
108	0	0	15	23	20	62	0.24	0.37	0.33	900	560	332
112	0	0	15	23	21	62	0.24	0.37	0.34	916	590	338
115	0	0	15	23	23	64	0.23	0.36	0.36	942	600	347
119	0	0	14	23	23	65	0.22	0.36	0.36	948	580	350
122	1	0	14	23	22	65	0.21	0.35	0.34	937	600	345
126	5	0	14	23	23	68	0.21	0.33	0.33	946	580	349
130	37	0	13	22	23	63	0.21	0.36	0.36	937	580	345
133	34	0	13	22	23	63	0.20	0.36	0.36	936	570	345
137	10	0	14	23	23	65	0.21	0.35	0.35	938	550	346
140	11	0	13	23	23	65	0.20	0.35	0.34	939	590	346
144	10	0	13	23	22	65	0.20	0.35	0.34	934	580	344
148	11	0	13	23	23	65	0.21	0.35	0.35	938	570	346
151	10	0	14	23	23	67	0.20	0.34	0.35	946	580	349
155	11	0	12	22	23	65	0.19	0.34	0.35	935	570	345
158	10	0	12	23	23	70	0.17	0.32	0.33	950	560	350
162	11	0	12	22	23	64	0.18	0.35	0.36	942	560	347
166	9	0	11	22	23	64	0.18	0.34	0.36	939	550	346
169	30	0	12	22	23	64	0.18	0.34	0.35	934	560	344
173	30	0	11	22	22	63	0.18	0.35	0.35	930	570	343
176	3	0	12	22	23	64	0.19	0.35	0.36	939	600	346
180	0	0	13	23	23	64	0.21	0.36	0.35	936	570	345
184	0	0	14	22	23	64	0.21	0.35	0.35	936	600	345
187	3	0	13	23	23	64	0.21	0.35	0.36	938	610	346
191	1	0	14	23	23	71	0.20	0.33	0.32	954	620	352
194	3	0	14	23	23	64	0.22	0.36	0.35	940	590	347
198	15	0	14	23	23	64	0.21	0.36	0.35	938	580	346
202	8	0	13	22	22	64	0.20	0.35	0.35	929	580	343
205	7	0	11	22	22	65	0.17	0.33	0.35	931	600	343
209	10	0	11	22	22	64	0.17	0.34	0.35	930	580	343
212	11	0	11	22	23	64	0.18	0.35	0.35	933	590	344
216	10	0	12	22	23	65	0.18	0.34	0.35	939	590	346
220	11	0	13	23	23	65	0.20	0.35	0.35	940	600	347
223	23	0	14	23	23	69	0.20	0.33	0.33	949	600	350
227	10	0	13	22	22	63	0.21	0.35	0.36	932	580	344
230	36	0	13	23	22	63	0.21	0.36	0.36	933	570	344
234	11	0	13	22	22	64	0.20	0.34	0.35	930	550	343
238	16	0	12	22	23	64	0.19	0.35	0.36	935	540	345
241	0	0	12	22	22	63	0.18	0.34	0.35	923	560	340
245	6	0	12	22	22	64	0.18	0.34	0.35	925	570	341
248	33	0	11	21	22	67	0.17	0.32	0.33	936	600	345
F618507 :												
90	11	0	13	22	22	72	0.17	0.31	0.31	950	580	350
94	10	0	13	23	22	64	0.20	0.36	0.34	925	580	341

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
97	30	0	14	23	21	61	0.22	0.38	0.35	917	570	338
101	5	0	13	23	22	63	0.21	0.37	0.35	925	590	341
104	2	0	14	23	20	61	0.23	0.38	0.32	884	590	326
108	7	0	13	23	22	66	0.19	0.35	0.33	927	580	342
112	11	0	12	22	22	70	0.18	0.31	0.32	942	580	347
115	10	0	12	22	22	72	0.17	0.30	0.31	949	590	350
119	11	0	12	22	22	74	0.17	0.29	0.30	957	590	353
122	10	0	13	23	23	72	0.18	0.32	0.31	954	580	352
126	8	0	13	23	22	64	0.21	0.37	0.35	932	580	344
130	8	0	12	23	22	62	0.20	0.36	0.35	920	590	339
133	11	0	12	22	22	64	0.19	0.34	0.34	925	590	341
137	10	0	12	22	22	62	0.19	0.36	0.35	922	600	340
140	40	0	12	22	20	61	0.20	0.36	0.33	901	590	332
144	0	0	13	20	16	57	0.22	0.36	0.28	799	600	295
148	0	0	12	17	13	48	0.25	0.35	0.28	696	620	257
151	0	0	12	15	12	44	0.27	0.35	0.29	659	620	243
155	2	0	12	19	16	55	0.22	0.35	0.29	792	600	292
158	10	0	12	22	21	61	0.20	0.35	0.34	906	600	334
162	11	0	12	22	22	64	0.18	0.34	0.34	925	600	341
166	17	0	12	20	17	56	0.22	0.35	0.30	819	600	302
169	1	0	12	19	17	54	0.23	0.34	0.31	800	630	295
173	3	0	12	22	21	60	0.20	0.36	0.35	905	610	334
176	11	0	11	22	22	64	0.18	0.34	0.34	921	600	340
180	10	0	11	21	22	71	0.15	0.29	0.31	938	590	346
184	11	0	11	21	22	72	0.15	0.29	0.31	938	590	346
187	10	0	10	21	22	75	0.14	0.27	0.29	946	590	349
191	11	0	10	20	22	72	0.15	0.28	0.31	935	590	345
194	10	0	10	20	22	73	0.14	0.28	0.30	936	600	345
198	11	0	10	19	22	75	0.14	0.26	0.29	935	610	345
202	10	0	11	20	22	71	0.15	0.28	0.31	928	630	342
F618508 :												
148	20	0	13	23	22	61	0.21	0.38	0.36	924	640	341
151	9	0	13	23	21	61	0.22	0.38	0.35	915	670	337
155	0	0	14	23	21	60	0.23	0.38	0.35	908	690	335
158	0	0	13	23	19	59	0.22	0.39	0.32	873	680	322
162	0	0	13	23	20	59	0.23	0.39	0.34	895	710	330
166	12	0	13	22	21	60	0.21	0.37	0.34	904	700	333
169	1	0	13	23	21	61	0.22	0.38	0.35	914	770	337
173	0	0	14	23	21	60	0.23	0.39	0.35	907	760	334
176	0	0	13	23	20	59	0.22	0.39	0.34	888	780	327
180	0	0	14	23	21	61	0.23	0.38	0.35	911	800	336
184	10	0	14	23	21	61	0.23	0.38	0.35	917	810	338
187	21	0	13	23	21	60	0.23	0.39	0.36	914	840	337
191	19	0	14	23	22	61	0.23	0.38	0.36	921	760	340
194	10	0	13	23	22	66	0.19	0.35	0.34	934	760	344
198	11	0	12	23	22	63	0.19	0.37	0.35	931	770	343
202	10	0	12	23	22	64	0.19	0.36	0.35	934	570	344
205	11	0	12	24	22	63	0.19	0.37	0.35	930	560	343
209	9	0	13	23	21	60	0.22	0.38	0.35	910	560	336
212	9	0	13	23	22	62	0.20	0.37	0.35	921	560	340
216	10	0	13	23	22	72	0.17	0.32	0.31	951	560	351
220	11	0	13	23	22	63	0.20	0.37	0.35	935	560	345
223	10	0	13	23	22	64	0.20	0.36	0.34	931	560	343
227	11	0	13	23	22	71	0.18	0.33	0.31	945	560	348

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST. PEEL	MEAS. PEEL	NORM.
						BAND	BBAND	BBAND	BBAND			EST. PEEL
230	10	0	13	23	22	64	0.20	0.35	0.34	927	560	342
234	11	0	13	23	22	62	0.20	0.37	0.36	925	560	341
238	33	0	13	23	21	60	0.21	0.38	0.35	906	550	334
241	20	0	13	23	19	59	0.22	0.39	0.32	874	540	322
245	10	0	13	22	22	63	0.20	0.35	0.34	922	540	340
248	11	0	13	23	22	72	0.18	0.32	0.31	947	540	349
252	10	0	13	23	22	65	0.20	0.35	0.34	934	540	344
256	38	0	13	23	21	60	0.22	0.39	0.35	913	540	337
259	10	0	14	24	22	66	0.21	0.37	0.33	935	530	345
263	11	0	13	24	22	69	0.19	0.35	0.33	945	520	348
266	10	0	11	21	22	67	0.17	0.32	0.33	929	520	343
270	11	0	11	22	22	66	0.17	0.34	0.33	929	520	343
274	12	0	13	19	17	52	0.24	0.37	0.33	811	520	299
277	0	0	12	16	12	42	0.28	0.37	0.28	638	530	235
281	0	0	13	21	18	53	0.24	0.39	0.34	845	520	312
284	23	0	13	23	21	60	0.21	0.38	0.35	904	520	333
288	37	0	12	23	21	62	0.20	0.37	0.34	910	520	336
292	0	0	13	22	19	55	0.23	0.40	0.34	863	530	318
295	0	0	12	21	17	54	0.22	0.39	0.33	833	520	307
299	31	0	12	21	18	56	0.21	0.37	0.31	836	520	308
302	10	0	11	23	21	66	0.17	0.34	0.33	924	510	341
306	37	0	12	22	19	58	0.21	0.39	0.33	870	510	321
F618591 :												
50	2	0	13	24	24	66	0.20	0.37	0.37	964	560	355
54	38	0	14	24	24	67	0.20	0.36	0.36	959	560	354
58	3	0	13	24	24	65	0.20	0.37	0.37	956	610	352
61	13	0	13	24	24	65	0.20	0.37	0.37	953	560	351
65	45	0	13	24	23	64	0.21	0.37	0.36	946	530	349
68	7	0	14	23	23	63	0.22	0.37	0.38	947	550	349
72	0	0	14	23	23	62	0.22	0.37	0.37	945	550	348
76	0	0	13	23	23	62	0.21	0.37	0.37	942	650	347
79	4	0	13	24	24	64	0.21	0.37	0.37	953	550	351
83	6	0	14	24	24	65	0.21	0.37	0.37	954	580	352
86	28	0	14	24	24	65	0.21	0.37	0.37	957	620	353
90	8	0	14	24	24	64	0.21	0.37	0.37	951	590	351
227	0	0	15	25	24	64	0.23	0.39	0.38	955	500	352
230	0	0	15	25	24	64	0.24	0.38	0.38	957	500	353
234	0	0	15	25	25	64	0.24	0.39	0.39	963	510	355
238	0	0	15	24	25	64	0.24	0.38	0.39	962	520	355
241	0	0	15	25	24	65	0.23	0.38	0.37	960	550	354
245	0	0	15	24	25	65	0.23	0.37	0.38	965	580	356
248	0	0	15	24	25	66	0.23	0.37	0.37	966	480	356
252	0	0	16	24	25	64	0.25	0.38	0.39	960	480	354
256	0	0	16	24	24	64	0.25	0.38	0.38	958	480	353
259	0	0	16	23	24	63	0.25	0.37	0.39	957	500	353
263	0	0	16	24	24	63	0.25	0.38	0.39	957	520	353
266	0	0	16	24	24	64	0.24	0.38	0.38	960	550	354
270	1	0	15	25	25	64	0.23	0.38	0.38	963	520	355
274	0	0	15	24	24	65	0.23	0.37	0.37	959	530	354
277	20	0	15	24	25	66	0.23	0.37	0.38	965	530	356
281	0	0	16	25	25	67	0.23	0.37	0.37	968	540	357
284	39	0	15	25	25	66	0.23	0.38	0.38	971	540	358
288	31	0	14	25	25	68	0.21	0.36	0.37	973	560	359
292	10	0	14	24	25	72	0.19	0.34	0.34	980	560	361

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
295	6	0	14	25	25	71	0.20	0.35	0.36	981	560	362
299	10	0	14	25	24	68	0.20	0.36	0.36	967	560	357
F618592 :												
50	11	0	12	22	21	62	0.19	0.35	0.35	914	570	337
54	0	0	12	16	13	43	0.27	0.37	0.31	696	600	257
58	0	0	11	11	10	29	0.38	0.39	0.35	561	600	207
61	0	0	11	14	12	36	0.31	0.38	0.32	627	560	231
65	0	0	12	21	18	55	0.22	0.38	0.32	838	640	309
68	0	0	12	20	19	57	0.20	0.35	0.32	854	600	315
72	29	0	12	23	23	63	0.19	0.37	0.37	945	610	348
76	7	0	12	23	23	73	0.16	0.32	0.31	962	580	355
79	10	0	12	23	24	70	0.17	0.33	0.34	961	650	354
83	10	0	12	23	24	63	0.19	0.37	0.37	948	600	350
86	4	0	13	24	24	65	0.20	0.36	0.36	951	650	351
90	9	0	13	23	24	63	0.20	0.37	0.37	948	610	350
94	10	0	9	15	14	44	0.20	0.35	0.32	710	570	262
97	0	0	12	18	14	45	0.26	0.41	0.32	742	630	274
101	0	0	12	15	13	38	0.32	0.40	0.34	674	540	249
104	0	0	12	20	20	53	0.23	0.38	0.38	879	520	324
108	6	0	12	22	24	63	0.19	0.36	0.38	944	590	348
112	1	0	13	22	24	64	0.20	0.35	0.37	945	540	348
115	17	0	13	23	24	65	0.19	0.35	0.37	954	520	352
119	29	0	12	23	24	65	0.19	0.36	0.37	957	540	353
122	5	0	13	23	24	65	0.19	0.36	0.37	954	520	352
126	30	0	13	23	24	64	0.20	0.37	0.38	957	550	353
130	21	0	13	24	24	65	0.19	0.36	0.37	954	580	352
133	1	0	12	24	24	65	0.19	0.36	0.37	958	510	353
137	20	0	12	23	24	64	0.19	0.36	0.37	954	560	352
227	0	0	13	23	23	61	0.21	0.38	0.37	932	690	344
230	0	0	13	23	23	61	0.22	0.38	0.38	940	720	347
234	0	0	13	23	23	62	0.21	0.37	0.37	943	610	348
238	0	0	13	23	23	62	0.21	0.37	0.38	946	600	349
241	0	0	14	23	24	61	0.22	0.37	0.39	947	660	349
245	0	0	14	24	24	63	0.22	0.38	0.38	949	550	350
248	0	0	14	24	23	64	0.21	0.38	0.37	949	580	350
252	0	0	14	24	24	63	0.23	0.38	0.38	952	660	351
256	0	0	14	24	24	62	0.23	0.39	0.38	949	700	350
259	0	0	14	24	23	60	0.23	0.39	0.38	939	680	346
263	0	0	13	24	23	60	0.22	0.39	0.38	932	690	344
266	0	0	14	24	23	60	0.23	0.40	0.38	940	590	347
270	0	0	14	25	23	63	0.23	0.40	0.37	946	680	349
274	0	0	14	25	24	67	0.21	0.37	0.36	960	630	354
277	0	0	14	24	23	62	0.23	0.38	0.37	941	610	347
281	0	0	14	23	23	62	0.23	0.38	0.37	938	640	346
284	0	0	14	24	23	62	0.22	0.39	0.37	941	670	347
288	0	0	14	25	24	64	0.22	0.39	0.37	950	680	350
292	0	0	14	25	23	64	0.22	0.39	0.36	950	650	350
295	2	0	14	25	24	64	0.22	0.39	0.37	955	650	352
299	0	0	14	25	24	64	0.22	0.39	0.38	957	640	353

Comments: Data extracted from regions exhibiting smooth adhesion pull.

[illegible]

						BROAD 270/	370/	500/	EST.	MEAS.	NORM.	
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	PEEL
B66339 :												
90	0	0	10	8	9	38	0.26	0.21	0.24	410	170	152
94	0	0	13	9	10	39	0.32	0.22	0.26	451	170	167
97	0	0	14	11	11	37	0.36	0.31	0.30	553	160	204
101	0	0	13	13	11	36	0.37	0.35	0.32	593	160	219
104	0	0	13	13	11	37	0.36	0.34	0.31	588	165	217
108	0	0	13	12	11	36	0.36	0.35	0.31	584	165	216
112	0	0	13	12	11	36	0.36	0.34	0.31	577	175	213
115	0	0	13	11	11	35	0.37	0.32	0.31	554	170	205
119	0	0	13	10	11	35	0.37	0.29	0.31	516	170	191
122	0	0	9	8	9	36	0.25	0.23	0.26	412	160	152
126	0	0	9	8	9	35	0.25	0.23	0.26	401	160	148
130	0	0	11	9	10	35	0.32	0.25	0.27	437	160	162
133	0	0	13	12	11	34	0.37	0.34	0.32	562	160	208
137	0	0	13	12	11	35	0.36	0.34	0.32	562	165	208
140	0	0	13	12	11	35	0.37	0.33	0.31	555	170	205
144	0	0	13	12	11	34	0.38	0.34	0.32	555	175	205
148	0	0	13	12	11	35	0.37	0.34	0.31	558	175	206
151	0	0	13	12	11	35	0.38	0.33	0.30	543	175	201
155	0	0	13	12	11	36	0.36	0.33	0.30	557	175	206
158	0	0	13	11	11	37	0.34	0.30	0.30	548	175	203
162	0	0	13	11	11	39	0.32	0.29	0.28	547	170	202
166	0	0	13	12	11	35	0.36	0.34	0.31	562	150	208
169	0	0	13	12	11	38	0.35	0.31	0.29	550	150	203
173	0	0	13	12	11	38	0.35	0.31	0.29	555	155	205
180	0	0	13	12	11	36	0.37	0.32	0.30	552	160	204
184	0	0	13	12	11	36	0.37	0.33	0.31	570	160	211
187	0	0	13	12	11	37	0.37	0.33	0.30	571	150	211
191	0	0	14	12	11	35	0.38	0.34	0.32	573	140	212
194	0	0	14	12	11	38	0.36	0.31	0.30	570	140	211
198	0	0	13	12	11	36	0.38	0.33	0.31	571	140	211
202	0	0	13	12	11	36	0.37	0.33	0.31	571	140	211
205	0	0	14	12	11	38	0.36	0.32	0.30	569	140	210
209	0	0	13	12	11	36	0.37	0.33	0.32	572	140	211
212	0	0	13	12	11	38	0.35	0.30	0.29	553	140	204
216	0	0	13	12	11	38	0.33	0.31	0.29	567	140	210
220	0	0	12	13	11	39	0.31	0.32	0.28	573	140	212
223	0	0	12	12	11	38	0.31	0.31	0.29	555	150	205
227	0	0	11	13								

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
248	0	0	12	13	11	40	0.29	0.32	0.28	564	160	208
252	0	0	12	12	12	40	0.29	0.31	0.29	580	160	214
256	32	1	12	12	11	35	0.35	0.33	0.30	545	160	201
259	10	1	12	12	11	36	0.34	0.34	0.30	566	160	209
263	11	1	12	15	12	39	0.31	0.37	0.31	644	160	238
266	10	1	12	15	12	39	0.31	0.37	0.31	641	160	237
270	11	1	12	15	12	38	0.33	0.38	0.32	645	160	238
274	8	1	12	15	13	40	0.34	0.38	0.33	675	170	249
D611126 :												
58	1	0	14	25	22	64	0.22	0.39	0.34	926	420	342
61	0	0	14	25	22	64	0.22	0.40	0.35	931	440	344
65	0	0	14	24	22	61	0.23	0.40	0.35	922	440	341
68	0	0	14	24	21	60	0.24	0.41	0.35	910	440	336
72	1	0	14	24	22	63	0.22	0.39	0.35	928	440	343
76	0	0	14	24	22	62	0.23	0.39	0.35	924	440	341
79	0	0	14	25	22	62	0.23	0.40	0.35	923	440	341
83	0	0	14	24	22	63	0.22	0.39	0.35	928	440	343
86	0	0	14	25	22	63	0.22	0.39	0.35	931	440	344
90	0	0	14	25	23	64	0.22	0.38	0.36	941	440	348
94	0	0	14	23	23	63	0.22	0.36	0.36	940	460	347
97	0	0	14	24	23	64	0.22	0.37	0.36	945	480	349
180	0	0	13	21	21	60	0.21	0.34	0.36	906	540	335
184	0	0	13	23	23	65	0.21	0.35	0.36	946	540	350
187	1	0	14	23	23	65	0.21	0.35	0.36	947	540	350
191	1	0	13	23	23	65	0.20	0.36	0.36	951	540	351
194	1	0	14	23	23	65	0.21	0.35	0.35	942	540	348
198	9	0	6	9	8	27	0.24	0.32	0.31	423	540	156
202	37	0	14	24	24	67	0.21	0.35	0.36	959	540	354
205	30	0	14	24	24	66	0.21	0.36	0.36	957	540	354
209	5	0	14	23	23	65	0.21	0.36	0.36	949	540	351
212	0	0	14	20	21	58	0.24	0.35	0.37	899	540	332
216	0	0	14	20	22	58	0.24	0.34	0.37	903	540	334
220	0	0	14	20	23	62	0.22	0.33	0.37	922	540	341
223	1	0	13	21	23	65	0.21	0.33	0.36	936	540	346
252	0	0	13	18	19	56	0.24	0.33	0.34	842	560	311
256	0	0	14	18	19	54	0.25	0.34	0.35	841	580	311
259	1	0	13	20	21	59	0.23	0.35	0.36	900	600	333
263	0	0	14	23	22	63	0.22	0.37	0.36	935	600	346
266	14	0	14	24	24	66	0.22	0.36	0.36	954	620	353
270	1	0	14	25	24	66	0.22	0.38	0.36	956	620	353
274	0	0	14	24	24	66	0.21	0.37	0.36	954	640	353
277	0	0	13	23	22	59	0.23	0.38	0.38	929	660	343
D611134 :												
137	11	0	12	23	25	72	0.17	0.33	0.35	978	460	361
140	11	0	12	23	25	73	0.17	0.31	0.34	981	460	363
144	10	0	12	23	26	72	0.17	0.32	0.36	984	480	364
238	11	0	12	24	25	74	0.17	0.32	0.34	988	420	365
241	11	0	13	24	25	71	0.18	0.33	0.35	981	420	363
245	11	0	12	23	25	74	0.16	0.31	0.33	983	420	363
248	11	0	13	23	25	70	0.18	0.33	0.36	973	420	360
252	11	0	13	23	25	70	0.18	0.33	0.36	977	420	361
256	11	0	13	23	25	70	0.18	0.33	0.36	978	420	361
259	11	0	13	23	25	71	0.18	0.33	0.35	975	420	360
263	11	0	13	24	25	71	0.18	0.33	0.36	979	420	362

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
266	11	0	12	23	25	70	0.18	0.33	0.35	972	420	359
270	11	0	12	22	23	69	0.18	0.32	0.34	953	420	352
274	0	0	13	17	17	59	0.22	0.30	0.29	802	420	296
277	0	0	13	18	18	61	0.21	0.30	0.30	837	420	309
281	21	0	13	22	24	68	0.19	0.32	0.35	953	420	352
284	43	0	13	23	24	69	0.18	0.33	0.35	963	420	356
288	11	0	13	22	24	69	0.19	0.32	0.35	961	420	355
292	11	0	13	23	25	71	0.18	0.32	0.35	974	420	360
295	11	0	13	23	25	71	0.18	0.32	0.35	977	420	361
299	11	0	13	23	24	70	0.18	0.32	0.34	965	420	357
302	11	0	13	23	25	73	0.17	0.32	0.34	981	420	363
306	11	0	12	24	25	74	0.17	0.32	0.34	986	420	364
310	11	0	12	23	25	88	0.14	0.27	0.29	1033	420	382
313	11	0	12	24	25	75	0.16	0.31	0.34	991	420	366
317	41	0	12	21	20	64	0.19	0.32	0.31	895	420	331
320	7	0	13	19	17	59	0.21	0.32	0.28	813	420	300
324	11	0	13	23	24	72	0.18	0.32	0.34	971	420	359
328	11	0	13	23	25	76	0.17	0.30	0.33	989	420	366
331	11	0	13	23	25	74	0.17	0.31	0.34	989	440	366
335	11	0	12	23	25	74	0.17	0.31	0.34	987	440	365
338	8	0	13	22	23	68	0.18	0.32	0.34	948	440	350
342	6	0	13	19	22	63	0.20	0.30	0.35	904	440	334
346	0	0	13	17	15	49	0.27	0.35	0.31	757	440	280
349	2	0	13	18	19	59	0.22	0.31	0.32	840	440	310
353	44	0	13	22	25	72	0.19	0.30	0.34	968	420	358
356	11	0	13	23	25	73	0.18	0.31	0.34	983	420	363
360	9	0	13	23	25	76	0.17	0.30	0.33	991	420	366
D611136 :												
83	3	0	14	19	19	63	0.22	0.30	0.30	859	580	317
86	0	0	13	17	18	61	0.22	0.28	0.29	812	580	300
90	0	0	13	17	18	61	0.22	0.28	0.29	812	580	300
94	0	0	13	17	18	61	0.22	0.29	0.29	815	580	301
97	0	0	13	17	17	56	0.24	0.30	0.30	784	580	290
137	0	0	13	18	18	58	0.22	0.31	0.30	817	560	302
140	0	0	13	20	18	60	0.22	0.33	0.30	844	560	312
144	0	0	13	19	17	55	0.24	0.34	0.30	807	560	298
148	0	0	13	21	19	61	0.21	0.35	0.30	864	560	319
151	0	0	13	20	17	56	0.24	0.35	0.30	819	560	303
155	0	0	14	19	16	53	0.26	0.35	0.31	796	560	294
270	0	0	13	20	19	61	0.21	0.33	0.31	860	400	318
274	0	0	13	20	19	61	0.22	0.33	0.32	868	420	321
277	0	0	13	18	18	56	0.23	0.32	0.31	814	420	301
281	0	0	13	17	17	51	0.26	0.34	0.33	789	420	292
284	0	0	13	17	17	52	0.26	0.32	0.33	782	430	289
288	0	0	11	13	13	41	0.27	0.33	0.32	646	430	239
292	0	0	13	16	17	51	0.26	0.32	0.33	773	440	286
295	0	0	13	17	18	57	0.22	0.30	0.32	823	450	304
299	0	0	13	17	18	54	0.24	0.31	0.33	805	460	298
302	0	0	13	17	17	53	0.25	0.31	0.33	790	460	292
306	0	0	13	17	18	55	0.24	0.32	0.33	814	480	301
310	0	0	13	18	17	55	0.24	0.32	0.32	808	480	299
313	0	0	13	19	19	60	0.22	0.32	0.31	853	500	315
D611142 :												
97	0	0	13	18	22	62	0.21	0.30	0.35	887	220	328

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
101	3	0	13	21	23	65	0.20	0.32	0.35	925	220	342
104	14	0	13	22	23	65	0.20	0.33	0.35	934	220	345
216	0	0	13	18	21	58	0.23	0.31	0.35	865	460	320
220	0	0	13	18	20	58	0.23	0.32	0.34	858	440	317
223	0	0	14	19	19	56	0.24	0.34	0.34	850	440	314
227	0	0	14	19	18	56	0.24	0.34	0.33	841	440	311
230	0	0	14	21	19	56	0.24	0.36	0.33	858	440	317
234	0	0	14	19	17	52	0.26	0.37	0.32	811	440	300
238	0	0	14	19	17	50	0.29	0.38	0.34	815	440	301
241	0	0	14	19	18	50	0.28	0.37	0.35	825	440	305
245	0	0	15	17	18	54	0.27	0.32	0.32	808	440	299
D611320 :												
180	0	0	14	15	17	51	0.27	0.30	0.33	751	600	278
184	0	0	13	15	16	51	0.27	0.30	0.31	735	600	272
187	0	0	13	15	16	51	0.27	0.30	0.31	738	600	273
238	0	0	14	16	16	46	0.30	0.35	0.34	751	640	278
241	0	0	14	17	17	51	0.27	0.34	0.33	782	620	289
245	0	0	14	18	18	52	0.26	0.35	0.34	817	600	302
248	0	0	14	19	19	60	0.23	0.32	0.32	862	580	319
252	0	0	14	18	18	55	0.25	0.33	0.33	833	580	308
256	0	0	14	21	21	53	0.27	0.40	0.39	901	580	333
259	0	0	14	23	21	53	0.27	0.44	0.40	909	580	336
263	0	0	14	17	17	55	0.26	0.31	0.32	798	580	295
266	0	0	14	16	17	51	0.28	0.32	0.34	785	580	290
270	0	0	14	17	17	51	0.27	0.33	0.32	780	580	288
274	0	0	14	17	16	51	0.27	0.33	0.32	772	600	285
D613217 :												
191	0	0	15	24	24	65	0.24	0.37	0.36	959	580	354
194	0	0	17	25	24	67	0.25	0.37	0.36	964	540	356
198	0	0	17	25	24	67	0.25	0.38	0.36	964	540	356
202	0	0	16	24	24	69	0.23	0.36	0.35	971	540	359
205	0	0	16	24	24	66	0.24	0.37	0.36	961	540	355
209	0	0	15	25	24	67	0.23	0.37	0.36	961	540	355
212	1	0	15	25	24	70	0.22	0.36	0.34	967	520	357
216	0	0	15	25	24	66	0.23	0.38	0.36	964	520	356
220	0	0	16	25	24	68	0.23	0.37	0.36	968	520	358
223	0	0	15	25	25	67	0.23	0.38	0.37	971	520	359
227	0	0	16	25	24	69	0.23	0.36	0.35	972	520	359
230	0	0	15	25	24	67	0.23	0.38	0.36	965	530	357
234	0	0	16	25	24	68	0.23	0.37	0.35	969	530	358
238	0	0	16	26	24	66	0.25	0.38	0.37	965	530	357
241	0	0	18	26	24	66	0.27	0.39	0.36	958	530	354
245	0	0	17	26	24	66	0.27	0.39	0.37	961	530	355
248	0	0	18	25	24	65	0.27	0.38	0.37	958	530	354
252	0	0	17	24	24	66	0.26	0.36	0.37	966	530	357
256	0	0	17	25	24	65	0.26	0.38	0.37	965	530	357
259	0	0	18	26	24	65	0.28	0.39	0.38	965	530	357
263	0	0	18	25	25	66	0.27	0.38	0.38	970	530	358
266	0	0	18	26	25	66	0.27	0.39	0.38	972	530	359
270	0	0	18	25	24	64	0.28	0.40	0.38	961	540	355
274	0	0	18	26	24	63	0.28	0.41	0.38	955	530	353
277	0	0	18	25	23	60	0.30	0.42	0.39	947	540	350
281	0	0	18	26	24	62	0.30	0.42	0.39	956	540	353
284	10	0	16	25	25	67	0.24	0.37	0.37	972	540	359

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
288	1	0	16	24	24	67	0.24	0.37	0.36	967	540	357
292	0	0	17	25	24	68	0.25	0.37	0.36	969	540	358
295	0	0	18	25	25	67	0.26	0.37	0.37	972	560	359
299	0	0	18	25	24	66	0.27	0.38	0.37	966	560	357
302	0	0	17	24	24	65	0.27	0.37	0.37	966	560	357
306	0	0	17	24	24	66	0.25	0.37	0.37	968	560	358
310	0	0	17	24	25	67	0.25	0.36	0.37	972	550	359
313	0	0	16	24	24	66	0.24	0.37	0.37	966	550	357
317	0	0	17	24	24	66	0.25	0.37	0.37	968	550	358
320	0	0	17	24	24	65	0.26	0.36	0.37	964	540	356
324	0	0	17	24	24	65	0.27	0.36	0.37	961	540	355
328	0	0	18	24	24	65	0.27	0.37	0.38	965	540	357
331	0	0	18	24	25	64	0.28	0.38	0.38	965	540	357
335	0	0	18	24	24	63	0.29	0.39	0.39	963	540	356
338	0	0	19	25	25	62	0.30	0.39	0.39	963	540	356
342	0	0	19	24	24	62	0.30	0.40	0.39	958	540	354
346	0	0	19	25	24	58	0.32	0.43	0.40	949	540	351
349	0	0	18	25	24	61	0.30	0.40	0.40	959	540	354
353	0	0	19	25	25	62	0.30	0.41	0.40	967	540	357
356	0	0	17	24	25	66	0.26	0.37	0.37	971	520	359
360	0	0	16	24	25	65	0.25	0.36	0.38	970	520	358
E614342 :												
90	10	0	12	24	23	67	0.18	0.35	0.34	950	620	351
94	10	0	12	23	23	71	0.17	0.33	0.32	960	680	355
97	11	0	12	23	23	65	0.19	0.36	0.35	945	650	349
101	10	0	12	24	23	65	0.19	0.36	0.35	947	670	350
104	11	0	12	24	23	64	0.19	0.37	0.35	944	640	349
108	10	0	12	24	23	64	0.19	0.37	0.35	942	640	348
112	11	0	13	24	23	64	0.20	0.37	0.35	947	640	350
115	10	0	13	24	23	65	0.19	0.37	0.35	942	630	348
119	11	0	13	24	23	64	0.20	0.37	0.36	946	630	350
122	10	0	12	23	23	65	0.19	0.36	0.35	949	640	351
126	11	0	12	23	23	73	0.16	0.32	0.31	966	610	357
130	10	0	12	23	23	65	0.19	0.36	0.35	942	620	348
133	11	0	13	24	23	65	0.20	0.36	0.35	946	610	350
137	10	0	13	24	23	64	0.20	0.37	0.35	942	610	348
140	11	0	12	23	23	66	0.18	0.36	0.35	951	600	351
144	10	0	12	23	22	66	0.18	0.35	0.34	941	600	348
148	11	0	12	23	23	65	0.19	0.35	0.35	947	600	350
151	10	0	12	23	23	68	0.18	0.34	0.34	954	600	353
155	11	0	11	23	23	69	0.17	0.33	0.33	952	600	352
158	10	0	11	23	23	77	0.15	0.29	0.30	981	600	363
162	11	0	11	22	23	67	0.17	0.33	0.34	949	600	351
166	10	0	12	23	23	66	0.18	0.34	0.35	947	590	350
169	11	0	12	23	23	64	0.19	0.36	0.36	942	580	348
173	10	0	12	23	23	66	0.17	0.35	0.34	947	590	350
176	11	0	11	23	23	66	0.17	0.35	0.34	948	600	350
180	10	0	12	23	23	65	0.18	0.36	0.35	943	600	349
184	11	0	12	24	22	66	0.17	0.36	0.34	945	610	349
187	10	0	12	24	23	68	0.17	0.35	0.33	954	610	353
191	11	0	11	23	23	75	0.15	0.30	0.31	971	610	359
194	10	0	11	22	23	78	0.14	0.28	0.30	978	610	361
198	11	0	11	21	23	80	0.13	0.26	0.29	983	610	363
202	10	0	10	20	24	89	0.12	0.23	0.27	1005	600	371

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
205	11	0	11	21	24	88	0.12	0.23	0.27	1009	600	373
209	10	0	11	20	24	87	0.12	0.23	0.27	998	590	369
212	11	0	10	20	23	81	0.13	0.25	0.28	974	590	360
216	10	0	11	20	24	91	0.12	0.22	0.26	1013	600	374
220	11	0	10	20	23	87	0.12	0.23	0.27	993	610	367
223	10	0	10	20	24	92	0.11	0.21	0.26	1011	640	374
227	11	0	10	19	24	90	0.11	0.21	0.26	995	600	368
230	10	0	10	19	24	92	0.11	0.21	0.26	1000	600	370
234	11	0	10	19	24	93	0.11	0.21	0.26	1005	590	371
238	10	0	9	19	24	92	0.10	0.21	0.26	1004	580	371
241	11	0	10	19	24	91	0.11	0.21	0.26	1003	580	371
245	10	0	10	19	24	93	0.11	0.21	0.26	1010	590	373
248	11	0	10	20	24	93	0.11	0.21	0.26	1010	590	373
252	10	0	10	20	23	87	0.11	0.22	0.27	990	600	366
256	11	0	10	20	23	92	0.11	0.21	0.26	1005	620	371
259	10	0	10	20	24	89	0.11	0.22	0.27	1002	610	370
263	11	0	10	20	23	87	0.12	0.23	0.27	990	620	366
266	10	0	11	20	23	89	0.12	0.22	0.26	998	620	369
270	11	0	11	19	23	83	0.13	0.23	0.28	972	620	359
274	10	0	11	20	23	79	0.14	0.25	0.29	960	620	355
277	11	0	12	20	23	84	0.14	0.24	0.28	980	620	362
281	10	0	12	20	23	82	0.14	0.24	0.28	977	640	361
284	11	0	12	20	22	72	0.17	0.28	0.31	941	640	348
288	10	0	12	21	23	85	0.15	0.24	0.27	993	640	367
292	11	0	12	20	22	74	0.17	0.28	0.30	947	640	350
295	10	0	13	21	22	66	0.20	0.32	0.33	930	650	344
299	11	0	13	21	22	71	0.19	0.30	0.31	939	650	347
302	10	0	14	21	21	67	0.20	0.32	0.32	926	680	342
306	11	0	12	21	22	64	0.19	0.33	0.35	925	670	342
310	10	0	12	21	22	63	0.19	0.34	0.35	927	660	343
313	11	0	12	21	22	67	0.17	0.32	0.33	935	660	346
E614345 :												
238	10	0	13	24	22	68	0.20	0.36	0.33	947	640	350
241	11	0	12	24	23	76	0.16	0.32	0.30	978	640	361
245	10	0	12	24	23	75	0.16	0.32	0.31	972	640	359
248	11	0	12	23	24	84	0.14	0.28	0.28	1009	640	373
252	10	0	12	24	23	71	0.17	0.33	0.32	960	640	355
256	11	0	12	23	23	70	0.17	0.32	0.32	953	640	352
259	10	0	12	22	23	77	0.16	0.29	0.30	974	640	360
263	11	0	12	23	22	71	0.17	0.32	0.31	953	640	352
266	10	0	12	23	23	69	0.18	0.34	0.33	953	640	352
270	11	0	12	23	23	69	0.17	0.34	0.33	954	640	353
274	10	0	13	23	23	74	0.17	0.31	0.30	966	640	357
277	11	0	12	24	22	72	0.17	0.33	0.31	955	650	353
281	10	0	13	24	23	83	0.15	0.29	0.27	995	650	368
284	11	0	13	23	23	73	0.17	0.32	0.31	963	650	356
288	10	0	12	23	23	71	0.17	0.33	0.32	959	670	354
292	11	0	12	24	23	75	0.16	0.32	0.30	972	680	359
295	10	0	12	23	23	72	0.17	0.31	0.32	960	700	355
299	11	0	12	23	23	68	0.18	0.34	0.34	954	720	353
302	10	0	13	23	23	77	0.16	0.30	0.30	981	760	363
306	11	0	13	23	23	86	0.15	0.27	0.27	1013	740	374
310	10	0	13	24	23	80	0.16	0.29	0.29	990	740	366
313	11	0	12	23	24	90	0.13	0.25	0.27	1028	740	380

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE PHASE INCLU 270 K 370 K 500 K						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
E614350 :												
238	10	0	13	24	22	64	0.20	0.37	0.35	939	620	347
241	11	0	13	24	22	65	0.20	0.36	0.34	939	630	347
245	35	0	13	23	23	63	0.20	0.37	0.36	940	630	347
248	0	0	12	20	16	51	0.24	0.38	0.32	801	630	296
252	40	0	13	23	22	64	0.20	0.36	0.35	939	630	347
256	5	0	13	23	23	63	0.21	0.37	0.36	940	630	347
259	10	0	13	23	23	64	0.20	0.37	0.35	941	620	348
263	11	0	13	24	23	64	0.20	0.37	0.35	943	620	349
266	10	0	13	23	22	65	0.20	0.36	0.35	941	620	348
270	11	0	13	23	23	63	0.20	0.37	0.36	945	580	349
274	10	0	12	23	23	66	0.19	0.35	0.35	950	580	351
277	11	0	12	23	22	66	0.19	0.35	0.34	942	590	348
281	10	0	12	23	23	69	0.18	0.33	0.33	955	580	353
284	11	0	13	23	22	64	0.20	0.36	0.35	940	580	347
288	10	0	12	23	23	69	0.18	0.33	0.33	951	590	351
292	11	0	12	23	22	62	0.19	0.36	0.35	927	640	343
295	10	0	12	22	22	63	0.19	0.35	0.35	933	610	345
299	11	0	12	23	22	65	0.19	0.35	0.34	939	610	347
302	10	0	13	22	22	63	0.20	0.35	0.35	936	610	346
306	11	0	12	22	22	64	0.19	0.35	0.34	926	610	342
E614439 :												
162	11	0	11	19	22	68	0.16	0.28	0.32	911	430	337
166	11	0	11	19	22	74	0.15	0.26	0.30	925	430	342
169	11	0	11	19	22	70	0.16	0.27	0.32	915	430	338
173	11	0	11	19	22	65	0.17	0.29	0.33	905	440	334
176	11	0	11	19	22	70	0.16	0.27	0.31	920	440	340
180	11	0	12	19	22	64	0.18	0.30	0.35	902	440	333
184	11	0	12	19	22	62	0.20	0.31	0.35	904	440	334
187	11	0	12	20	22	63	0.19	0.31	0.34	909	440	336
191	11	0	12	19	22	68	0.18	0.29	0.33	920	440	340
194	11	0	12	19	22	71	0.17	0.27	0.31	927	440	343
198	11	0	12	20	22	72	0.16	0.28	0.31	938	440	347
202	11	0	12	20	22	65	0.18	0.31	0.34	925	440	342
205	11	0	12	20	23	66	0.18	0.31	0.34	929	440	343
209	11	0	12	20	22	68	0.18	0.30	0.33	933	440	345
212	11	0	12	20	23	68	0.17	0.30	0.34	935	440	346
216	11	0	11	21	22	71	0.16	0.29	0.31	943	440	349
220	11	0	10	21	23	77	0.14	0.27	0.30	965	450	357
223	11	0	10	21	23	77	0.14	0.27	0.29	962	450	356
227	11	0	10	21	22	72	0.14	0.29	0.31	948	450	350
230	11	0	10	21	23	81	0.13	0.26	0.28	977	460	361
234	11	0	10	20	23	76	0.13	0.27	0.30	956	460	353
238	11	0	10	20	23	80	0.13	0.25	0.29	968	450	358
241	11	0	10	19	23	80	0.12	0.24	0.29	961	450	355
245	11	0	10	19	23	80	0.13	0.24	0.28	955	460	353
248	11	0	10	19	23	77	0.13	0.25	0.29	944	460	349
E615838 :												
90	11	0	11	21	21	62	0.18	0.33	0.34	906	380	335
94	10	0	11	21	21	62	0.19	0.34	0.34	906	360	335
97	11	0	11	21	21	61	0.19	0.34	0.35	905	420	334
101	10	0	11	20	21	61	0.19	0.33	0.34	901	430	333
104	11	0	11	20	21	61	0.19	0.33	0.35	900	380	333
108	17	0	11	20	20	61	0.19	0.33	0.33	885	410	327

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
112	1	0	12	20	19	61	0.20	0.33	0.31	863	390	319
115	22	0	12	21	20	61	0.19	0.34	0.34	891	430	329
119	11	0	11	21	21	66	0.17	0.32	0.33	916	390	339
122	10	0	11	21	22	63	0.18	0.33	0.34	913	400	337
126	8	0	12	21	21	62	0.19	0.33	0.34	908	440	336
130	9	0	12	20	20	60	0.20	0.33	0.33	877	430	324
133	22	0	12	20	21	62	0.19	0.33	0.33	895	380	331
137	10	0	11	21	22	60	0.17	0.31	0.33	918	380	339
140	11	0	10	19	22	74	0.14	0.26	0.30	928	380	343
144	10	0	11	21	21	63	0.18	0.33	0.34	908	380	336
148	11	0	12	21	21	61	0.20	0.34	0.35	909	390	336
151	10	0	12	21	22	66	0.18	0.32	0.33	925	390	342
155	11	0	11	21	21	63	0.18	0.32	0.34	909	390	336
158	10	0	11	21	22	74	0.15	0.28	0.30	940	400	347
162	11	0	12	21	21	61	0.19	0.34	0.34	897	430	332
166	32	0	12	20	20	61	0.20	0.33	0.33	883	390	326
169	11	0	11	20	21	64	0.18	0.31	0.33	901	390	333
173	10	0	10	18	22	77	0.13	0.24	0.29	926	400	342
176	11	0	10	18	22	76	0.13	0.24	0.29	922	420	341
180	10	0	12	20	21	61	0.19	0.33	0.35	900	460	333
184	22	0	12	20	20	60	0.20	0.33	0.33	879	430	325
187	0	0	12	20	20	62	0.20	0.33	0.32	881	450	326
E616009 :												
72	10	0	17	26	25	68	0.26	0.39	0.37	1815	450	671
76	9	0	17	26	24	68	0.26	0.38	0.36	1766	440	653
79	9	0	17	27	24	69	0.25	0.39	0.36	1770	460	654
83	21	0	18	26	25	68	0.26	0.39	0.36	1803	480	666
86	40	0	17	26	25	68	0.25	0.39	0.37	1823	460	674
90	10	0	16	27	26	70	0.23	0.39	0.36	1832	450	677
94	10	0	15	26	25	71	0.21	0.37	0.36	1810	460	669
97	11	0	16	27	25	69	0.23	0.38	0.36	1790	440	662
101	9	0	16	27	25	73	0.22	0.37	0.35	1785	450	660
104	1	0	17	27	26	69	0.24	0.39	0.37	1846	460	682
108	0	0	19	26	25	69	0.27	0.38	0.37	1846	470	682
112	19	0	16	25	25	69	0.23	0.37	0.37	1835	480	678
115	3	0	16	25	26	69	0.23	0.37	0.37	1873	470	692
119	0	0	18	26	26	69	0.26	0.37	0.37	1869	460	691
122	11	0	16	26	26	70	0.23	0.37	0.37	1864	470	689
126	0	0	18	25	25	69	0.26	0.36	0.37	1840	460	680
130	0	0	18	25	25	68	0.27	0.37	0.37	1824	450	674
133	0	0	19	25	25	70	0.27	0.36	0.36	1810	440	669
137	0	0	18	26	25	68	0.26	0.37	0.36	1790	430	662
140	0	0	19	26	25	69	0.27	0.38	0.37	1843	430	681
144	1	0	17	25	25	68	0.24	0.37	0.37	1821	420	673
148	5	0	16	25	25	69	0.23	0.37	0.36	1814	410	670
151	25	0	16	26	25	69	0.23	0.37	0.36	1820	410	673
155	11	0	15	25	26	70	0.21	0.36	0.37	1842	420	681
158	10	0	14	26	25	72	0.20	0.36	0.35	1809	400	669
162	11	0	13	26	26	72	0.18	0.36	0.36	1839	410	680
166	10	0	13	24	26	77	0.17	0.31	0.33	1784	420	659
169	11	0	13	24	25	69	0.18	0.34	0.36	1811	420	669
173	10	0	12	24	25	73	0.16	0.33	0.34	1779	420	657
176	11	0	12	24	25	75	0.16	0.32	0.33	1753	420	648
180	10	0	13	23	24	69	0.19	0.33	0.34	1701	420	629

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
184	11	0	13	22	23	66	0.19	0.34	0.34	1657	420	612
187	10	0	12	22	23	66	0.19	0.33	0.34	1649	430	609
191	25	0	12	21	22	65	0.19	0.33	0.34	1598	450	591
194	10	0	13	22	23	68	0.19	0.32	0.34	1680	480	621
198	11	0	11	22	24	86	0.13	0.26	0.28	1641	470	606
202	10	0	11	20	24	95	0.12	0.22	0.26	1611	460	595
205	11	0	11	21	24	87	0.13	0.24	0.27	1612	450	596
209	10	0	11	21	24	98	0.11	0.22	0.25	1607	420	594
212	11	0	11	21	25	95	0.11	0.22	0.26	1620	410	599
216	10	0	11	21	25	98	0.11	0.22	0.25	1630	420	602
220	11	0	11	21	25	96	0.12	0.22	0.26	1630	420	602
223	10	0	11	21	25	99	0.11	0.21	0.25	1638	420	605
227	11	0	10	21	24	96	0.11	0.21	0.25	1590	410	588
230	10	0	11	21	24	98	0.11	0.21	0.25	1607	410	594
234	11	0	11	21	24	87	0.12	0.24	0.27	1589	420	587
238	10	0	11	22	23	75	0.14	0.29	0.30	1582	460	585
241	11	0	11	22	23	72	0.16	0.30	0.31	1606	450	594
245	10	0	11	21	22	69	0.17	0.31	0.32	1569	470	580
E616385 :												
72	0	0	16	23	24	64	0.25	0.36	0.38	951	690	351
76	0	0	16	23	24	65	0.24	0.35	0.37	953	700	352
79	0	0	17	23	24	64	0.26	0.36	0.38	954	670	353
83	0	0	14	22	24	66	0.21	0.34	0.37	955	700	353
86	0	0	15	22	24	65	0.23	0.34	0.37	953	770	352
90	0	0	13	21	24	65	0.20	0.33	0.36	942	710	348
94	0	0	15	22	23	63	0.23	0.35	0.37	943	720	349
97	0	0	14	21	19	57	0.24	0.37	0.34	873	680	323
101	0	0	15	22	22	62	0.25	0.36	0.36	929	660	343
104	0	0	16	22	22	62	0.25	0.36	0.36	924	690	341
108	0	0	17	23	24	62	0.27	0.37	0.38	946	690	350
112	0	0	16	22	24	63	0.25	0.35	0.37	947	660	350
115	0	0	16	23	23	64	0.26	0.37	0.37	946	710	350
119	0	0	17	23	23	61	0.28	0.38	0.37	933	680	345
122	0	0	17	23	23	61	0.27	0.37	0.38	938	730	347
126	0	0	13	15	13	45	0.29	0.34	0.29	676	720	250
130	0	0	14	20	18	56	0.24	0.36	0.32	842	760	311
133	0	0	15	22	20	57	0.27	0.39	0.35	884	830	327
137	0	0	15	22	20	58	0.26	0.39	0.34	882	690	326
140	0	0	15	21	19	58	0.26	0.37	0.33	863	760	319
144	0	0	16	23	23	62	0.26	0.36	0.36	932	720	344
180	10	0	13	22	23	67	0.19	0.34	0.34	943	810	349
184	11	0	13	22	23	68	0.19	0.33	0.33	944	570	349
187	10	0	13	23	23	73	0.18	0.31	0.31	959	600	354
191	44	0	14	23	22	65	0.21	0.35	0.34	936	570	346
194	1	0	14	22	23	64	0.22	0.34	0.36	940	590	347
198	1	0	14	22	23	64	0.22	0.35	0.35	938	620	347
202	1	0	14	23	22	64	0.22	0.36	0.35	932	520	344
205	1	0	14	23	23	66	0.21	0.35	0.35	943	560	349
209	0	0	14	22	23	64	0.22	0.35	0.35	938	560	347
212	2	0	14	22	23	69	0.21	0.33	0.33	951	560	351
216	0	0	13	15	15	45	0.28	0.34	0.32	716	540	265
220	0	0	13	18	18	56	0.24	0.33	0.32	821	550	303
223	0	0	14	22	22	62	0.23	0.35	0.35	920	530	340
227	0	0	14	23	22	66	0.21	0.35	0.34	939	510	347

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
230	0	0	14	22	23	64	0.22	0.35	0.35	935	490	346
234	0	0	15	22	22	63	0.24	0.35	0.36	933	460	345
238	37	0	13	23	23	66	0.20	0.35	0.34	943	450	349
241	10	0	13	23	23	66	0.20	0.35	0.35	951	470	351
245	11	0	14	22	22	65	0.21	0.34	0.34	932	500	344
248	0	0	13	17	15	47	0.27	0.36	0.31	730	500	270
252	0	0	14	22	23	68	0.21	0.33	0.34	948	500	350
256	1	0	14	22	23	64	0.22	0.34	0.36	937	510	346
259	19	0	14	22	23	66	0.21	0.34	0.34	939	510	347
263	11	0	13	23	23	68	0.19	0.34	0.33	948	520	350
266	39	0	14	22	23	67	0.21	0.33	0.34	944	540	349
270	10	0	14	21	23	67	0.20	0.32	0.35	942	550	348
274	0	0	14	21	23	64	0.22	0.33	0.37	937	540	346
277	0	0	13	17	16	47	0.28	0.36	0.34	777	530	287
281	0	0	14	20	21	59	0.23	0.33	0.35	890	530	329
284	0	0	14	20	23	71	0.19	0.29	0.33	943	540	349
288	0	0	14	21	23	65	0.22	0.33	0.36	939	550	347
292	0	0	15	22	24	65	0.22	0.34	0.37	955	540	353
295	1	0	15	24	25	69	0.21	0.35	0.36	971	530	359
299	0	0	16	24	25	68	0.23	0.35	0.37	973	530	360
302	1	0	16	25	25	71	0.23	0.35	0.35	975	540	360
306	9	0	15	24	25	67	0.23	0.36	0.37	968	550	358
310	0	0	16	23	22	62	0.25	0.38	0.36	932	570	344
313	1	0	16	25	25	68	0.23	0.36	0.37	972	570	359
E616407 :												
47	0	0	11	19	23	63	0.18	0.31	0.37	916	450	339
50	0	0	11	19	23	63	0.18	0.30	0.37	915	510	338
54	0	0	11	19	23	64	0.18	0.29	0.36	908	520	336
58	0	0	11	19	23	63	0.18	0.30	0.36	901	520	333
61	0	0	11	18	22	62	0.18	0.28	0.35	878	520	324
65	0	0	11	18	20	62	0.18	0.29	0.33	865	530	320
68	1	0	11	17	22	63	0.17	0.27	0.35	864	520	319
72	10	0	10	18	22	62	0.16	0.29	0.35	882	520	326
76	11	0	9	20	22	74	0.13	0.27	0.30	939	490	347
79	10	0	9	19	22	63	0.15	0.30	0.35	896	500	331
83	11	0	9	18	22	61	0.15	0.30	0.36	890	570	329
86	10	0	10	18	22	62	0.16	0.29	0.35	886	560	327
90	11	0	10	18	22	62	0.16	0.29	0.35	880	540	325
94	10	0	10	18	22	63	0.15	0.28	0.35	879	570	325
97	11	0	10	18	22	62	0.16	0.29	0.35	887	560	328
101	10	0	10	18	22	62	0.16	0.29	0.36	881	550	326
104	11	0	10	18	22	62	0.15	0.28	0.35	879	570	325
108	10	0	9	18	22	62	0.15	0.28	0.36	880	550	325
112	11	0	9	18	22	62	0.15	0.30	0.36	893	560	330
115	41	0	10	18	22	62	0.16	0.29	0.36	892	550	330
119	42	0	10	19	22	64	0.16	0.30	0.35	910	540	336
122	7	0	11	20	23	63	0.17	0.32	0.36	923	550	341
126	11	0	11	20	23	64	0.17	0.31	0.36	921	540	340
130	10	0	11	20	23	64	0.17	0.31	0.35	915	560	338
133	13	0	11	18	22	64	0.17	0.28	0.35	886	490	327
137	3	0	12	22	23	69	0.17	0.31	0.33	943	490	349
140	0	0	14	22	23	68	0.20	0.32	0.34	946	500	350
144	19	0	13	22	22	62	0.21	0.35	0.35	925	500	342
148	8	0	14	23	22	63	0.22	0.37	0.35	930	500	344

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
151	10	0	13	23	22	69	0.19	0.34	0.33	947	490	350
155	11	0	13	23	22	66	0.20	0.35	0.33	932	500	344
158	10	0	13	23	22	67	0.20	0.34	0.34	940	500	347
162	11	0	13	22	22	69	0.19	0.32	0.32	942	490	348
166	10	0	13	23	22	70	0.18	0.32	0.31	942	500	348
169	11	0	13	23	22	65	0.21	0.35	0.34	931	500	344
173	10	0	14	22	22	71	0.19	0.31	0.31	943	490	349
176	11	0	13	22	22	70	0.19	0.32	0.32	946	490	350
180	10	0	13	22	22	72	0.18	0.30	0.30	944	490	349
184	11	0	12	22	22	80	0.15	0.27	0.28	968	490	358
187	10	0	11	21	22	76	0.15	0.27	0.29	948	510	350
191	11	0	11	20	22	82	0.14	0.25	0.27	963	500	356
194	10	0	11	21	22	83	0.13	0.25	0.27	971	480	359
198	11	0	11	20	22	86	0.13	0.23	0.26	976	480	361
202	10	0	11	19	22	84	0.13	0.23	0.27	962	490	356
205	11	0	11	19	22	85	0.13	0.23	0.26	968	490	358
209	10	0	11	20	22	81	0.14	0.25	0.27	954	490	353
F618387 :												
180	33	0	13	22	19	57	0.22	0.39	0.33	864	500	319
184	0	0	12	21	15	53	0.23	0.40	0.28	767	490	283
187	0	0	12	19	13	52	0.23	0.37	0.24	699	510	258
191	0	0	13	21	14	57	0.22	0.36	0.25	748	490	276
194	1	0	12	20	13	55	0.22	0.36	0.24	718	500	265
198	0	0	12	20	12	55	0.22	0.36	0.22	697	510	258
202	0	0	12	20	12	56	0.21	0.35	0.22	691	510	255
205	0	0	13	19	12	54	0.23	0.35	0.22	687	510	254
209	41	0	12	21	20	58	0.20	0.37	0.34	883	510	326
212	11	0	11	21	21	68	0.16	0.31	0.31	921	510	340
216	10	0	11	21	22	81	0.13	0.25	0.27	959	500	354
220	11	0	11	20	22	73	0.15	0.28	0.30	937	500	346
223	10	0	11	21	22	72	0.15	0.29	0.30	940	500	347
227	11	0	11	22	22	77	0.14	0.29	0.28	955	510	353
230	10	0	11	22	22	73	0.15	0.30	0.30	946	510	350
234	11	0	11	22	22	73	0.15	0.30	0.30	949	510	351
238	10	0	11	21	22	79	0.14	0.27	0.28	956	510	353
241	11	0	11	21	22	81	0.13	0.27	0.27	970	510	358
245	10	0	11	21	22	74	0.15	0.29	0.30	951	510	351
248	11	0	11	21	22	85	0.13	0.25	0.26	980	510	362
252	10	0	11	21	22	79	0.14	0.27	0.28	960	510	355
256	11	0	11	20	22	70	0.16	0.29	0.31	924	500	341
259	10	0	11	20	22	78	0.14	0.26	0.28	950	500	351
263	11	0	11	20	22	69	0.16	0.30	0.32	923	500	341
266	10	0	11	21	21	61	0.18	0.34	0.35	904	500	334
270	11	0	11	20	21	69	0.16	0.29	0.31	915	500	338
274	10	0	11	20	22	72	0.15	0.28	0.30	924	500	341
277	11	0	11	19	21	72	0.15	0.27	0.30	913	500	337
281	0	0	12	19	18	61	0.19	0.32	0.29	834	500	308
284	41	0	11	20	21	64	0.18	0.32	0.32	898	500	332
288	10	0	10	19	21	72	0.14	0.27	0.30	918	500	339
292	11	0	10	19	22	87	0.11	0.22	0.25	961	510	355
295	10	0	10	19	22	88	0.11	0.22	0.25	968	510	358
299	11	0	10	19	22	82	0.12	0.23	0.27	949	510	351
302	10	0	10	19	22	86	0.12	0.22	0.25	958	510	354
306	11	0	10	19	22	86	0.12	0.22	0.26	956	510	353

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
F618409 :												
180	10	0	12	23	23	71	0.16	0.32	0.32	954	510	353
184	10	0	12	23	22	64	0.19	0.36	0.35	935	500	346
187	25	0	13	23	21	61	0.21	0.37	0.35	916	510	339
191	1	0	12	23	22	64	0.19	0.36	0.35	934	510	345
194	10	0	12	22	23	74	0.16	0.30	0.31	960	510	355
198	11	0	12	22	23	75	0.16	0.29	0.30	965	520	357
202	10	0	12	23	22	65	0.19	0.35	0.34	935	520	346
205	11	0	12	23	22	62	0.20	0.37	0.35	926	520	342
209	25	0	12	20	18	54	0.22	0.36	0.34	846	520	313
212	14	0	12	22	21	63	0.19	0.34	0.33	906	510	335
216	10	0	11	23	23	74	0.15	0.31	0.31	968	510	358
220	10	0	11	23	23	77	0.15	0.30	0.30	974	500	360
223	10	0	11	23	23	75	0.15	0.31	0.31	973	490	360
227	11	0	11	23	23	77	0.14	0.31	0.30	975	500	360
230	10	0	11	23	23	83	0.13	0.28	0.28	997	500	368
234	11	0	11	23	23	85	0.12	0.26	0.27	1002	500	370
238	10	0	11	22	23	78	0.14	0.29	0.29	973	500	360
241	11	0	11	22	23	77	0.14	0.28	0.30	971	510	359
245	10	0	11	22	23	77	0.14	0.29	0.30	968	510	358
248	11	0	11	23	22	68	0.16	0.34	0.33	943	510	349
252	10	0	11	22	23	77	0.14	0.29	0.30	968	510	358
256	11	0	11	22	23	73	0.15	0.30	0.32	957	510	354
259	10	0	11	21	23	83	0.13	0.25	0.28	980	510	362
263	11	0	11	22	23	79	0.14	0.27	0.29	974	510	360
266	10	0	12	23	22	69	0.18	0.33	0.32	944	520	349
270	11	0	11	22	23	82	0.13	0.26	0.28	989	500	366
274	10	0	10	22	22	74	0.14	0.30	0.30	953	490	352
277	11	0	10	22	23	82	0.13	0.27	0.29	988	500	365
281	28	0	11	22	22	71	0.16	0.31	0.31	944	510	349
284	25	0	12	22	22	64	0.19	0.34	0.34	920	530	340
288	10	0	12	22	22	65	0.18	0.33	0.34	928	540	343
292	11	0	12	21	22	63	0.19	0.34	0.35	921	540	340
295	10	0	11	22	22	65	0.18	0.33	0.34	929	540	343
299	11	0	11	22	22	69	0.16	0.32	0.32	940	510	347
302	10	0	12	22	22	63	0.18	0.35	0.35	932	460	344
306	11	0	10	23	23	75	0.14	0.30	0.31	970	390	358
F618597 :												
32	3	0	15	24	24	65	0.23	0.37	0.37	961	400	355
36	0	0	13	16	15	42	0.30	0.38	0.35	741	380	274
40	0	0	15	23	23	64	0.24	0.36	0.37	946	380	350
43	0	0	15	25	25	65	0.23	0.38	0.38	963	380	356
47	0	0	16	23	24	64	0.24	0.36	0.37	952	370	352
50	0	0	16	24	25	65	0.24	0.37	0.38	965	370	357
54	0	0	16	24	25	66	0.24	0.36	0.38	966	370	357
58	0	0	16	24	24	65	0.25	0.36	0.37	961	370	355
61	0	0	16	24	24	64	0.25	0.37	0.38	960	380	355
65	0	0	13	18	18	49	0.27	0.37	0.36	826	380	305
68	0	0	14	21	22	58	0.25	0.37	0.37	910	400	336
72	0	0	15	24	24	67	0.23	0.36	0.36	962	400	356
76	6	0	15	25	25	67	0.23	0.38	0.37	967	400	357
79	1	0	15	24	24	65	0.23	0.37	0.37	960	400	355
83	0	0	15	23	24	64	0.24	0.36	0.37	951	420	351
86	18	0	14	23	24	64	0.22	0.36	0.37	952	520	352

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
90	11	0	13	24	25	73	0.18	0.33	0.34	984	420	364
94	35	0	13	24	25	71	0.19	0.33	0.36	982	450	363
97	0	0	14	21	19	53	0.26	0.39	0.36	866	420	320
101	4	0	14	24	25	70	0.20	0.34	0.36	978	420	361
104	11	0	13	24	25	77	0.17	0.31	0.32	999	440	369
108	10	0	13	23	24	67	0.20	0.35	0.36	962	470	356
112	9	0	13	23	25	69	0.18	0.34	0.35	969	480	358
115	10	0	12	23	25	70	0.17	0.33	0.35	975	480	360
119	11	0	12	23	24	69	0.18	0.33	0.35	966	490	357
122	10	0	12	23	25	72	0.17	0.32	0.35	975	500	360
126	33	0	13	21	22	62	0.21	0.34	0.35	919	490	340
130	30	0	13	22	24	72	0.18	0.30	0.34	968	520	358
133	1	0	13	22	24	73	0.17	0.31	0.33	969	560	358
137	33	0	13	22	24	72	0.18	0.31	0.34	967	580	357
140	11	0	12	23	25	76	0.16	0.30	0.32	987	600	365
144	10	0	12	23	24	77	0.15	0.30	0.32	987	500	365
148	11	0	11	22	24	79	0.14	0.28	0.31	992	520	367
151	10	0	11	22	24	84	0.14	0.26	0.29	1004	530	371
155	11	0	11	21	25	83	0.14	0.26	0.30	1003	520	371
158	10	0	12	22	25	83	0.14	0.27	0.30	1005	550	371
162	11	0	11	22	24	86	0.13	0.26	0.28	1015	510	375
166	10	0	11	22	24	81	0.14	0.27	0.30	994	520	367
169	11	0	11	22	24	89	0.13	0.25	0.28	1025	560	379
173	10	0	12	23	25	81	0.15	0.28	0.31	1001	560	370
176	10	0	12	23	24	76	0.16	0.30	0.32	986	590	364
180	9	0	12	23	24	75	0.15	0.30	0.32	981	600	363
F618599 :												
43	10	0	11	22	24	78	0.14	0.29	0.31	988	520	365
47	11	0	11	23	24	76	0.14	0.30	0.31	982	620	363
50	9	0	11	23	24	74	0.15	0.30	0.32	977	620	361
54	11	0	11	23	25	81	0.14	0.29	0.31	1004	590	371
58	10	0	11	23	24	75	0.15	0.31	0.32	984	610	364
61	11	0	12	24	24	73	0.16	0.33	0.33	977	640	361
65	10	0	12	23	24	72	0.17	0.32	0.33	970	680	358
68	11	0	12	23	25	72	0.16	0.33	0.35	982	570	363
72	10	0	12	23	24	68	0.18	0.34	0.35	963	630	356
76	11	0	12	23	24	69	0.18	0.33	0.35	965	570	357
79	10	0	12	23	24	71	0.17	0.33	0.34	973	570	360
83	11	0	12	24	24	70	0.17	0.34	0.35	970	570	358
86	10	0	12	23	24	78	0.15	0.30	0.31	989	570	366
90	11	0	12	23	24	72	0.17	0.32	0.33	975	580	360
94	10	0	12	24	24	70	0.17	0.34	0.35	972	620	359
97	11	0	13	24	25	69	0.18	0.34	0.36	973	630	360
180	10	0	12	23	24	67	0.18	0.35	0.35	955	500	353
184	11	0	12	23	24	74	0.16	0.31	0.32	978	500	361
187	10	0	12	23	24	69	0.17	0.34	0.34	959	510	354
191	11	0	12	23	24	68	0.17	0.34	0.35	962	550	356
194	10	0	12	24	23	71	0.17	0.33	0.33	963	580	356
198	11	0	12	24	24	69	0.17	0.34	0.34	964	650	356
202	10	0	12	23	24	69	0.17	0.34	0.35	962	630	356
205	11	0	12	24	23	70	0.17	0.34	0.33	959	640	354
209	10	0	12	23	23	70	0.17	0.33	0.33	958	500	354
212	11	0	12	23	23	67	0.17	0.34	0.35	953	510	352
216	10	0	12	23	24	72	0.16	0.32	0.33	971	530	359

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
220	11	0	12	23	24	66	0.18	0.35	0.36	954	540	353
223	43	0	12	23	23	66	0.18	0.35	0.35	947	570	350
227	11	0	12	23	23	73	0.16	0.32	0.32	967	620	357
230	10	0	12	23	23	69	0.17	0.33	0.34	958	620	354
234	11	0	12	23	24	66	0.17	0.35	0.36	955	620	353
238	10	0	12	23	24	70	0.17	0.33	0.34	965	640	357
241	4	0	12	23	23	65	0.19	0.35	0.36	946	630	350
245	10	0	12	23	23	65	0.18	0.35	0.36	947	650	350
248	11	0	11	23	24	75	0.15	0.30	0.32	974	680	360
252	10	0	11	23	23	71	0.15	0.32	0.33	961	620	355
256	9	0	11	22	23	72	0.15	0.31	0.32	963	640	356
259	10	0	11	23	24	74	0.15	0.30	0.32	971	660	359
263	11	0	11	23	23	70	0.16	0.33	0.33	957	620	354
266	10	0	11	23	24	71	0.16	0.32	0.33	965	640	357
270	11	0	11	22	24	72	0.16	0.31	0.33	966	660	357
274	10	0	11	23	24	73	0.15	0.31	0.33	971	550	359
277	11	0	11	22	24	70	0.16	0.32	0.34	960	520	355
281	43	0	11	21	22	71	0.15	0.29	0.31	928	490	343
284	11	0	11	22	24	71	0.16	0.32	0.34	965	460	357
288	10	0	11	22	24	72	0.16	0.31	0.34	968	460	358
292	11	0	11	22	24	75	0.15	0.30	0.32	978	460	361
295	10	0	11	22	24	75	0.15	0.30	0.33	977	460	361
299	11	0	11	22	24	74	0.15	0.30	0.33	973	460	360
302	10	0	11	22	24	80	0.14	0.27	0.30	986	460	364
306	10	0	11	21	24	79	0.13	0.27	0.30	981	460	363
310	10	0	11	21	24	75	0.15	0.28	0.32	968	450	358
313	11	0	11	21	24	82	0.13	0.26	0.29	995	440	368
317	39	0	12	22	23	67	0.17	0.33	0.35	947	420	350
320	3	0	12	22	24	66	0.18	0.33	0.36	947	400	350
324	10	0	12	22	23	66	0.18	0.34	0.35	944	400	349
328	9	0	12	22	23	64	0.18	0.34	0.36	937	400	346
F618648 :												
47	11	0	10	20	24	98	0.11	0.20	0.25	1032	370	381
50	10	0	10	20	24	98	0.10	0.21	0.25	1037	450	383
54	11	0	10	20	24	98	0.11	0.20	0.24	1025	470	379
58	10	0	10	19	24	98	0.11	0.20	0.25	1025	470	379
61	11	0	11	20	24	94	0.11	0.21	0.25	1015	460	375
65	10	0	11	20	24	97	0.11	0.20	0.25	1027	460	380
68	11	0	11	21	24	85	0.12	0.24	0.28	996	500	368
F618886 :												
180	0	0	14	22	24	65	0.21	0.35	0.37	948	500	350
184	3	0	14	23	24	65	0.22	0.35	0.37	953	420	352
187	36	0	14	23	25	67	0.21	0.35	0.37	965	370	357
191	15	0	14	24	24	66	0.21	0.36	0.36	956	360	353
194	37	0	14	25	25	70	0.20	0.35	0.35	974	370	360
198	11	0	13	25	24	68	0.20	0.37	0.36	964	380	356
202	10	0	13	25	25	68	0.19	0.37	0.36	969	390	358
205	11	0	13	25	24	66	0.20	0.38	0.36	958	390	354
209	15	0	13	24	24	65	0.20	0.37	0.37	961	400	355
212	0	0	14	21	22	62	0.23	0.34	0.36	924	400	341
216	0	0	14	22	22	62	0.23	0.35	0.35	920	400	340
220	25	0	13	24	23	64	0.21	0.37	0.37	947	410	350
223	10	0	13	25	24	67	0.20	0.37	0.37	964	400	356
227	11	0	13	25	24	70	0.19	0.36	0.35	972	400	359

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
230	10	0	14	25	25	67	0.21	0.38	0.37	967	400	357
234	14	0	14	25	25	66	0.22	0.37	0.37	965	400	357
238	18	0	14	24	25	67	0.20	0.36	0.37	968	400	358
241	2	0	14	24	25	72	0.19	0.33	0.34	979	410	362
245	10	0	13	22	24	74	0.17	0.30	0.33	976	410	361
248	11	0	13	22	24	71	0.18	0.31	0.34	968	410	358
252	10	0	13	23	24	68	0.19	0.33	0.35	961	410	355
256	11	0	12	23	24	71	0.18	0.32	0.34	968	410	358
259	10	0	13	23	24	79	0.16	0.29	0.30	993	420	367
263	11	0	12	23	24	73	0.17	0.32	0.34	979	430	362
266	10	0	11	23	24	68	0.17	0.33	0.35	957	440	354
270	11	0	11	22	24	67	0.16	0.33	0.35	950	440	351
274	10	0	11	22	24	70	0.16	0.32	0.35	964	440	356
277	11	0	12	24	24	74	0.17	0.32	0.33	981	450	363
281	10	0	12	23	24	79	0.15	0.30	0.31	996	390	368
284	11	0	12	24	24	74	0.17	0.32	0.33	982	390	363
288	10	0	12	23	24	71	0.17	0.33	0.34	969	400	358
292	11	0	12	22	24	83	0.14	0.27	0.29	1003	400	371
295	10	0	12	22	24	74	0.16	0.29	0.32	972	400	359
299	11	0	11	21	24	75	0.15	0.28	0.32	965	400	357
302	10	0	11	20	24	79	0.14	0.25	0.30	969	400	358
306	11	0	11	20	24	79	0.14	0.25	0.30	966	400	357
310	10	0	11	20	24	81	0.14	0.24	0.29	968	400	358
313	11	0	11	20	24	81	0.14	0.25	0.29	972	400	359
317	10	0	11	20	23	82	0.13	0.24	0.28	975	400	360
320	11	0	11	21	24	78	0.14	0.26	0.31	973	400	360
324	10	0	11	21	24	75	0.15	0.28	0.32	959	390	354
328	11	0	11	21	23	67	0.16	0.31	0.35	939	390	347
331	10	0	11	21	23	64	0.17	0.32	0.36	933	390	345
335	11	0	11	20	22	64	0.18	0.31	0.35	914	380	338
338	9	0	12	19	22	62	0.19	0.31	0.35	903	380	334
342	11	0	12	19	22	63	0.19	0.30	0.35	906	380	335
346	10	0	11	20	22	65	0.18	0.31	0.35	916	380	339
349	11	0	10	20	24	74	0.14	0.27	0.32	950	380	351
353	10	0	10	19	23	84	0.12	0.22	0.28	960	370	355
356	10	0	11	20	23	85	0.12	0.23	0.27	980	360	362
360	10	0	12	20	23	71	0.17	0.29	0.33	944	350	349
F619860 :												
47	11	0	12	22	23	72	0.17	0.30	0.32	953	430	352
50	10	0	12	22	23	74	0.16	0.30	0.31	963	480	356
54	11	0	12	23	22	68	0.18	0.33	0.32	941	470	348
58	10	0	12	22	22	68	0.17	0.33	0.33	939	490	347
61	11	0	12	22	22	74	0.16	0.30	0.30	958	460	354
65	10	0	12	23	23	74	0.16	0.31	0.31	960	460	355
68	11	0	12	23	22	68	0.18	0.33	0.33	940	460	347
72	10	0	12	23	23	76	0.16	0.30	0.31	978	470	361
76	11	0	12	22	23	74	0.16	0.30	0.30	958	490	354
79	10	0	12	22	23	73	0.16	0.30	0.32	957	530	354
83	11	0	12	22	23	80	0.15	0.27	0.29	980	510	362
86	10	0	12	21	23	77	0.15	0.27	0.30	968	510	358
90	11	0	11	20	23	75	0.15	0.27	0.31	953	510	352
94	10	0	12	20	23	83	0.14	0.24	0.28	975	520	360
97	11	0	12	21	23	80	0.15	0.26	0.29	971	500	359
101	10	0	12	21	23	79	0.15	0.27	0.29	974	530	360

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
104	11	0	11	20	23	86	0.13	0.23	0.27	986	520	364
108	10	0	11	21	23	80	0.14	0.26	0.29	977	510	361
112	43	0	12	20	20	63	0.19	0.32	0.31	883	510	326
115	1	0	13	21	21	61	0.21	0.34	0.34	897	520	332
119	23	0	13	21	20	62	0.21	0.33	0.33	894	500	330
122	10	0	12	22	23	67	0.18	0.33	0.34	942	510	348
126	11	0	11	22	23	83	0.13	0.27	0.28	996	500	368
130	10	0	12	22	23	77	0.15	0.29	0.30	975	510	360
133	11	0	12	22	24	70	0.18	0.32	0.34	958	500	354
158	10	0	10	19	23	93	0.11	0.21	0.25	1000	500	370
162	10	0	11	21	22	71	0.15	0.29	0.31	935	500	346
166	10	0	11	20	22	66	0.17	0.31	0.34	921	500	340
169	11	0	11	20	22	68	0.17	0.30	0.33	924	490	341
173	10	0	11	21	23	81	0.14	0.26	0.28	971	490	359
176	11	0	11	20	23	89	0.12	0.22	0.26	991	490	366
180	10	0	11	20	24	94	0.12	0.21	0.25	1011	480	374
184	11	0	11	20	24	95	0.12	0.21	0.25	1020	480	377
187	10	0	11	20	23	94	0.12	0.22	0.25	1016	480	375
191	11	0	11	19	24	95	0.11	0.20	0.25	1009	470	373
194	10	0	11	20	23	94	0.12	0.21	0.25	1008	470	373
198	11	0	11	20	23	87	0.13	0.23	0.27	988	460	365
202	10	0	11	20	23	75	0.15	0.27	0.30	951	460	351
205	11	0	11	20	23	80	0.14	0.25	0.29	970	480	358
209	10	0	12	20	23	74	0.16	0.27	0.30	946	510	350
212	11	0	11	20	23	85	0.13	0.23	0.28	981	550	363
216	10	0	11	19	23	89	0.13	0.21	0.26	987	590	365
220	11	0	11	20	23	87	0.12	0.22	0.27	988	590	365
F619925 :												
61	11	0	11	21	24	90	0.13	0.23	0.27	1014	570	375
65	10	0	11	20	24	94	0.12	0.22	0.25	1023	580	378
68	11	0	11	22	24	79	0.14	0.27	0.30	981	580	363
72	10	0	11	22	25	91	0.13	0.24	0.27	1030	600	381
76	10	0	11	22	24	83	0.14	0.26	0.29	999	620	369
79	10	0	11	22	25	81	0.14	0.28	0.31	1002	600	370
83	11	0	12	21	25	89	0.13	0.24	0.29	1023	610	378
86	10	0	12	21	26	95	0.13	0.22	0.27	1045	620	386
90	11	0	11	21	25	93	0.12	0.22	0.27	1034	620	382
94	10	0	11	23	25	87	0.13	0.26	0.29	1026	650	379
97	11	0	11	23	25	85	0.13	0.27	0.29	1014	620	375
101	10	0	12	23	24	77	0.15	0.30	0.31	984	610	364
104	6	0	12	22	23	71	0.17	0.32	0.32	952	600	352
108	10	0	12	23	24	74	0.16	0.31	0.32	973	590	360
112	11	0	12	23	24	73	0.16	0.32	0.32	969	580	358
115	10	0	12	23	23	73	0.16	0.32	0.31	963	590	356
119	11	0	12	23	23	74	0.16	0.31	0.32	971	640	359
122	10	0	11	22	24	84	0.13	0.26	0.28	1000	630	370
126	11	0	11	21	24	91	0.12	0.23	0.26	1018	640	376
130	10	0	12	21	24	90	0.13	0.24	0.27	1019	670	377
133	10	0	11	20	23	81	0.14	0.25	0.29	972	680	359
137	10	0	11	21	24	90	0.12	0.24	0.27	1020	690	377
140	11	0	11	23	23	78	0.14	0.29	0.30	981	630	363
144	10	0	12	23	23	69	0.18	0.33	0.33	954	530	353
148	11	0	13	23	22	66	0.19	0.35	0.34	936	530	346
151	27	0	14	24	22	65	0.21	0.37	0.34	937	540	346

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
						BAND	BBAND	BBAND	BBAND			
155	40	0	13	24	24	68	0.19	0.35	0.36	965	540	357
158	10	0	13	23	22	67	0.19	0.34	0.33	941	520	348
162	44	0	13	23	22	65	0.21	0.35	0.34	934	510	345
166	0	0	13	21	20	62	0.21	0.34	0.33	898	520	332
169	8	0	13	22	23	65	0.20	0.35	0.35	940	540	347
173	10	0	13	23	23	65	0.20	0.35	0.35	940	540	347
176	20	0	14	22	20	62	0.22	0.36	0.32	891	540	329
180	16	0	13	23	22	64	0.21	0.36	0.35	935	540	346
184	0	0	13	22	22	64	0.20	0.35	0.34	927	540	343
187	0	0	13	22	23	65	0.20	0.34	0.35	936	540	346
191	0	0	14	22	21	64	0.21	0.35	0.33	914	540	338
194	0	0	14	20	18	61	0.22	0.33	0.30	858	580	317
223	0	0	12	20	17	58	0.21	0.34	0.30	830	570	307
227	0	0	13	18	17	56	0.22	0.33	0.29	799	560	295
230	0	0	13	18	15	53	0.24	0.35	0.29	772	560	285
234	0	0	13	18	17	55	0.23	0.33	0.31	806	560	298
238	0	0	12	17	16	55	0.23	0.31	0.29	763	560	282
241	0	0	12	18	16	58	0.21	0.31	0.27	782	560	289
245	0	0	12	19	17	61	0.20	0.32	0.28	828	560	306
248	0	0	12	21	19	60	0.21	0.34	0.32	875	560	323
252	0	0	12	19	18	58	0.21	0.33	0.31	836	560	309
256	0	0	12	20	20	63	0.19	0.32	0.31	881	560	326
259	0	0	12	19	18	62	0.19	0.31	0.29	850	540	314
263	0	0	12	19	16	60	0.20	0.31	0.27	800	550	296
266	0	0	12	19	17	60	0.21	0.32	0.29	829	550	306
270	10	0	12	20	20	63	0.19	0.32	0.31	880	550	325
274	30	0	12	20	20	63	0.19	0.32	0.32	884	550	327
277	42	0	12	20	21	63	0.19	0.32	0.33	901	550	333
281	21	0	12	19	18	62	0.20	0.31	0.29	847	550	313
284	1	0	12	17	18	60	0.21	0.29	0.30	816	560	302
288	0	0	12	16	14	48	0.25	0.32	0.29	708	560	262
292	0	0	12	17	16	59	0.21	0.29	0.28	786	560	290
295	0	0	12	17	16	60	0.20	0.29	0.27	786	550	290
299	0	0	12	18	17	61	0.19	0.29	0.29	815	520	301
302	43	0	11	17	18	62	0.18	0.28	0.30	830	510	307
306	1	0	11	17	16	61	0.18	0.27	0.27	783	510	289
310	30	0	11	17	16	61	0.18	0.28	0.26	782	460	289
F620198 :												
43	0	0	13	18	16	53	0.24	0.33	0.31	784	400	290
47	0	0	14	21	21	63	0.23	0.33	0.33	905	420	334
50	28	0	14	22	22	66	0.21	0.34	0.33	931	430	344
54	11	0	13	22	22	70	0.19	0.31	0.31	936	460	346
58	10	0	13	22	22	66	0.20	0.33	0.33	928	460	343
61	11	0	12	22	22	68	0.18	0.33	0.33	937	470	346
65	10	0	11	21	22	68	0.17	0.30	0.31	922	440	341
68	11	0	12	20	22	68	0.18	0.30	0.31	918	400	339
72	27	0	13	19	21	62	0.20	0.31	0.34	892	360	330
76	0	0	13	18	18	58	0.22	0.31	0.31	823	350	304
79	0	0	13	14	12	40	0.32	0.35	0.29	613	350	227
83	0	0	13	16	14	45	0.28	0.36	0.32	716	350	265
86	0	0	13	17	15	51	0.25	0.32	0.29	742	350	274
90	0	0	13	15	14	46	0.27	0.34	0.31	710	360	262
115	0	0	13	17	16	57	0.23	0.29	0.29	777	450	287
119	37	0	12	18	21	62	0.20	0.30	0.33	875	450	323

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
122	10	0	11	20	22	63	0.17	0.31	0.34	904	450	334
126	11	0	11	20	22	65	0.17	0.30	0.33	909	440	336
130	10	0	11	19	22	63	0.18	0.31	0.34	904	440	334
133	11	0	10	18	22	81	0.12	0.22	0.27	929	450	343
137	10	0	10	18	22	77	0.13	0.23	0.28	907	450	335
140	11	0	10	18	21	73	0.13	0.24	0.29	898	460	332
144	10	0	10	18	22	71	0.14	0.25	0.30	904	440	334
148	41	0	11	18	21	62	0.18	0.30	0.34	879	440	325
151	0	0	12	14	13	41	0.30	0.34	0.31	646	440	239
155	1	0	12	17	18	61	0.20	0.28	0.30	818	450	302
158	45	0	11	18	20	60	0.19	0.30	0.34	866	450	320
162	11	0	10	17	21	72	0.13	0.23	0.29	877	450	324
166	10	0	10	17	21	81	0.12	0.21	0.26	902	460	333
169	11	0	10	17	21	77	0.13	0.22	0.27	889	480	329
173	10	0	10	17	21	77	0.14	0.22	0.27	892	490	330
176	11	0	11	17	21	83	0.13	0.21	0.26	918	480	339
180	10	0	11	18	21	77	0.14	0.24	0.27	909	480	336
184	11	0	11	19	21	77	0.15	0.24	0.27	917	470	339
187	43	0	11	18	20	62	0.18	0.30	0.32	866	480	320
191	10	0	11	20	21	72	0.15	0.28	0.29	922	430	341
194	10	0	12	20	21	68	0.17	0.30	0.31	915	390	338
198	11	0	12	20	21	73	0.16	0.27	0.29	926	400	342
202	10	0	12	20	21	68	0.18	0.30	0.31	916	430	339
205	11	0	12	20	21	67	0.17	0.30	0.31	909	460	336
F620444 :												
234	3	0	12	22	22	63	0.19	0.35	0.36	930	420	344
238	3	0	12	22	22	63	0.19	0.36	0.35	924	410	341
241	6	0	12	22	22	63	0.20	0.35	0.35	931	420	344
245	14	0	12	22	20	59	0.21	0.37	0.34	888	420	328
248	0	0	12	21	18	58	0.21	0.37	0.31	839	430	310
252	0	0	12	21	19	60	0.20	0.35	0.31	866	440	320
256	0	0	12	21	21	61	0.19	0.34	0.34	901	450	333
259	2	0	12	22	22	62	0.19	0.35	0.35	919	460	340
263	18	0	12	21	21	63	0.19	0.34	0.34	913	470	337
266	0	0	12	21	21	62	0.19	0.34	0.34	907	480	335
270	1	0	12	21	21	62	0.19	0.34	0.34	903	420	334
274	1	0	12	20	20	61	0.19	0.33	0.33	885	430	327
277	37	0	12	21	20	61	0.20	0.35	0.33	885	440	327
281	10	0	12	22	22	64	0.18	0.34	0.34	924	460	341
284	11	0	12	21	22	63	0.18	0.34	0.35	923	480	341
288	10	0	11	21	22	63	0.18	0.34	0.35	922	510	341
292	10	0	11	21	22	63	0.18	0.34	0.35	920	540	340
295	10	0	11	21	22	63	0.18	0.34	0.35	924	450	341
299	8	0	11	21	22	65	0.17	0.33	0.34	929	450	343
302	0	0	11	21	21	62	0.18	0.34	0.35	913	450	337
306	0	0	12	16	13	44	0.29	0.37	0.31	692	450	256
310	17	0	11	21	21	61	0.19	0.34	0.35	906	450	335
313	11	0	11	21	21	62	0.18	0.34	0.35	912	440	337
F620446 :												
162	1	0	12	18	16	59	0.21	0.30	0.28	790	570	292
166	26	0	12	19	19	62	0.20	0.31	0.31	866	520	320
169	15	0	12	19	20	62	0.19	0.31	0.31	867	540	320
173	0	0	12	19	19	61	0.20	0.31	0.31	856	500	316
176	18	0	12	20	20	63	0.19	0.31	0.32	879	520	325

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
						BAND	BBAND	BBAND	BBAND			
180	10	0	12	20	20	65	0.19	0.30	0.31	884	550	327
184	17	0	12	20	20	62	0.19	0.31	0.32	874	480	323
187	3	0	12	20	20	62	0.20	0.32	0.32	879	500	325
191	3	0	12	20	19	62	0.20	0.32	0.31	868	490	321
194	3	0	13	20	20	62	0.21	0.33	0.32	883	500	326
198	1	0	13	19	19	61	0.21	0.32	0.31	863	520	319
202	0	0	12	19	19	62	0.20	0.30	0.32	862	480	319
205	5	0	13	20	21	63	0.21	0.32	0.33	894	480	330
209	2	0	13	20	19	62	0.22	0.32	0.31	867	480	320
212	0	0	13	20	20	63	0.21	0.32	0.32	886	490	327
216	40	0	13	21	20	62	0.21	0.33	0.32	881	480	326
220	11	0	14	21	20	63	0.22	0.34	0.32	897	480	332
223	32	0	13	21	20	63	0.21	0.34	0.32	895	490	331
227	6	0	13	21	20	63	0.21	0.33	0.32	890	470	329
230	0	0	13	21	19	62	0.21	0.34	0.31	879	470	325
234	0	0	13	21	18	61	0.21	0.34	0.29	847	510	313
238	0	0	13	20	18	61	0.21	0.33	0.30	849	540	314
241	0	0	13	21	18	62	0.20	0.33	0.30	859	460	317
245	40	0	12	21	20	64	0.18	0.32	0.31	894	500	330
248	45	0	12	20	20	62	0.19	0.32	0.32	879	460	325
252	10	0	11	21	21	63	0.18	0.33	0.33	896	470	331
256	11	0	11	20	21	64	0.18	0.31	0.32	893	470	330
259	10	0	11	20	21	65	0.17	0.30	0.32	891	510	329
263	11	0	11	19	21	67	0.17	0.29	0.31	898	500	332
266	10	0	11	19	21	68	0.16	0.28	0.30	895	500	331
270	11	0	11	19	21	69	0.16	0.27	0.30	894	520	330
274	10	0	12	18	20	62	0.19	0.30	0.32	862	520	319
F620448 :												
137	10	0	14	22	22	63	0.22	0.35	0.35	927	500	343
140	11	0	13	22	23	63	0.21	0.34	0.36	932	500	344
144	10	0	13	22	22	63	0.21	0.35	0.36	930	580	344
148	7	0	13	22	22	64	0.21	0.35	0.35	927	650	343
F620449 :												
47	11	0	11	20	22	65	0.17	0.32	0.34	919	370	340
50	10	0	11	21	22	65	0.16	0.31	0.34	924	440	341
54	11	0	11	21	22	71	0.15	0.29	0.31	932	440	344
58	10	0	11	20	22	67	0.16	0.30	0.33	923	430	341
61	11	0	10	21	22	69	0.15	0.30	0.32	932	440	344
65	10	0	10	21	22	66	0.16	0.31	0.33	923	500	341
68	11	0	11	20	22	64	0.17	0.31	0.34	908	460	336
72	10	0	11	21	22	63	0.17	0.33	0.35	919	450	340
76	11	0	11	21	22	64	0.17	0.33	0.35	920	420	340
79	10	0	11	20	22	64	0.17	0.32	0.34	914	430	338
83	10	0	12	18	17	57	0.21	0.31	0.30	806	430	298
86	35	0	11	21	22	63	0.17	0.33	0.36	920	440	340
90	11	0	10	20	22	63	0.16	0.33	0.35	915	470	338
94	10	0	10	20	22	62	0.17	0.31	0.35	904	450	334
97	11	0	10	20	22	63	0.16	0.32	0.35	913	440	337
101	10	0	10	20	22	66	0.16	0.30	0.33	909	460	336
104	11	0	10	20	22	62	0.16	0.32	0.36	907	470	335
108	10	0	10	20	21	64	0.16	0.31	0.33	906	490	335
112	11	0	10	20	21	64	0.16	0.31	0.33	902	510	333
115	10	0	10	20	21	63	0.15	0.32	0.34	907	570	335
119	11	0	10	19	21	63	0.16	0.31	0.34	895	580	331

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
122	10	0	10	20	21	61	0.17	0.32	0.35	898	540	332
126	11	0	10	20	21	62	0.16	0.32	0.35	901	530	333
130	10	0	10	20	22	63	0.16	0.32	0.34	908	570	336
133	11	0	10	20	22	68	0.14	0.29	0.32	920	560	340
284	11	0	11	21	21	62	0.17	0.34	0.35	910	400	336
288	10	0	11	21	22	63	0.17	0.33	0.35	916	400	339
292	11	0	11	21	21	63	0.17	0.34	0.34	913	410	337
295	10	0	11	21	22	66	0.16	0.32	0.33	924	460	341
299	11	0	11	21	22	62	0.17	0.34	0.35	915	400	338
302	9	0	11	20	22	62	0.17	0.33	0.35	908	400	336
306	11	0	11	21	22	61	0.18	0.35	0.36	920	400	340
310	10	0	11	21	22	62	0.17	0.34	0.35	913	400	337
313	11	0	11	21	22	62	0.17	0.35	0.36	922	430	341
317	10	0	11	22	22	62	0.18	0.35	0.35	920	400	340
320	10	0	11	21	22	62	0.17	0.34	0.35	919	400	340
324	10	0	11	22	22	63	0.17	0.34	0.35	923	440	341
328	3	0	11	21	22	63	0.18	0.34	0.34	915	450	338
331	2	0	11	22	22	62	0.18	0.35	0.36	924	410	341
335	11	0	11	21	22	63	0.17	0.34	0.35	922	440	341
338	10	0	11	21	22	62	0.18	0.34	0.36	921	430	340
342	11	0	11	21	22	62	0.17	0.35	0.36	922	500	341
346	10	0	11	22	22	62	0.17	0.35	0.35	923	460	341
F620461 :												
40	11	0	11	21	22	62	0.19	0.34	0.35	915	440	338
43	10	0	11	21	22	63	0.17	0.34	0.35	918	450	339
47	11	0	11	21	21	63	0.18	0.34	0.34	910	510	336
50	10	0	11	20	22	67	0.16	0.30	0.32	918	520	339
54	11	0	10	21	22	64	0.17	0.33	0.34	913	500	337
58	10	0	10	21	22	66	0.15	0.31	0.33	918	530	339
61	28	0	11	19	20	61	0.18	0.32	0.33	872	550	322
65	14	0	12	16	15	49	0.25	0.33	0.30	734	480	271
68	11	0	11	20	21	60	0.18	0.33	0.35	892	500	330
72	10	0	11	20	21	61	0.18	0.33	0.34	896	470	331
76	11	0	11	20	21	60	0.18	0.33	0.35	901	520	333
79	10	0	11	20	20	61	0.18	0.33	0.33	891	490	329
83	43	0	11	20	19	60	0.18	0.34	0.33	871	500	322
86	17	0	11	20	20	61	0.18	0.33	0.33	884	500	327
90	11	0	11	20	21	68	0.16	0.29	0.32	912	500	337
94	13	0	12	16	15	50	0.24	0.32	0.29	723	520	267
97	24	0	12	19	20	59	0.21	0.32	0.34	874	510	323
101	10	0	12	20	21	60	0.19	0.34	0.34	890	530	329
104	11	0	10	20	21	64	0.16	0.31	0.33	901	530	333
108	10	0	9	19	22	76	0.12	0.25	0.29	933	600	345
112	11	0	9	19	22	74	0.12	0.25	0.29	914	560	338
115	10	0	9	18	22	83	0.11	0.22	0.26	939	560	347
119	11	0	9	19	22	76	0.12	0.24	0.29	923	530	341
122	10	0	9	19	21	71	0.13	0.26	0.30	906	520	335
126	11	0	9	19	21	65	0.14	0.29	0.32	886	500	327
130	10	0	9	17	22	78	0.11	0.22	0.28	914	520	338
133	11	0	9	17	22	80	0.11	0.22	0.27	919	530	340
137	10	0	9	18	22	78	0.11	0.23	0.28	917	540	339
140	11	0	9	18	22	81	0.11	0.22	0.27	930	500	344
144	10	0	10	18	22	74	0.13	0.24	0.29	910	560	336
148	11	0	10	18	22	83	0.12	0.22	0.26	941	550	348

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
151	10	0	10	18	22	77	0.13	0.24	0.28	923	560	341
155	15	0	11	19	20	64	0.17	0.30	0.31	875	620	323
158	0	0	12	16	15	50	0.25	0.32	0.30	729	580	269
162	0	0	12	19	18	59	0.20	0.32	0.31	832	650	307
F620462 :												
198	11	0	10	20	22	72	0.14	0.28	0.31	938	440	347
202	10	0	10	20	22	70	0.14	0.29	0.32	935	410	346
205	11	0	10	20	22	70	0.14	0.29	0.31	926	400	342
209	10	0	10	21	22	69	0.15	0.30	0.33	936	410	346
212	11	0	10	21	23	66	0.15	0.31	0.34	930	420	344
216	3	0	11	20	21	64	0.18	0.32	0.33	899	440	332
220	16	0	12	19	18	60	0.20	0.32	0.30	845	440	312
223	9	0	11	21	22	62	0.18	0.34	0.35	921	440	340
227	11	0	10	21	23	70	0.15	0.30	0.32	941	480	348
230	10	0	11	21	23	71	0.15	0.30	0.32	946	430	350
234	11	0	11	22	23	70	0.16	0.31	0.33	950	440	351
238	10	0	11	22	23	73	0.15	0.30	0.32	964	450	356
241	11	0	11	22	23	76	0.15	0.29	0.30	963	460	356
245	10	0	11	22	23	68	0.17	0.32	0.34	941	440	348
248	11	0	12	22	23	81	0.14	0.27	0.29	983	400	363
252	10	0	11	22	23	71	0.15	0.31	0.32	950	420	351
256	11	0	11	22	23	70	0.15	0.31	0.33	948	400	350
259	10	0	11	22	23	75	0.15	0.29	0.31	966	410	357
263	11	0	11	21	23	74	0.15	0.29	0.32	963	430	356
266	10	0	11	22	23	73	0.16	0.30	0.32	959	490	354
270	11	0	11	22	23	74	0.15	0.29	0.31	964	460	356
274	10	0	11	22	23	74	0.15	0.29	0.31	963	400	356
277	11	0	12	22	23	69	0.17	0.32	0.34	952	420	352
281	10	0	11	21	23	80	0.14	0.26	0.29	980	410	362
284	11	0	11	21	23	78	0.14	0.27	0.30	971	430	359
288	10	0	11	22	23	77	0.15	0.28	0.30	970	390	358
292	11	0	11	21	23	79	0.14	0.27	0.29	976	410	361
295	10	0	11	21	23	80	0.14	0.27	0.29	975	430	360
299	11	0	10	21	23	80	0.13	0.26	0.29	976	440	361
302	10	0	11	21	23	82	0.13	0.26	0.28	978	450	361
306	11	0	11	21	23	78	0.14	0.27	0.29	965	450	357
310	10	0	11	21	23	72	0.15	0.29	0.32	948	470	350
F620467 :												
36	0	0	13	22	23	64	0.21	0.35	0.36	939	450	347
40	0	0	13	22	23	62	0.21	0.35	0.36	932	500	344
43	0	0	12	22	22	62	0.19	0.35	0.35	919	620	340
47	0	0	12	20	19	55	0.22	0.36	0.34	860	590	318
50	1	0	12	20	21	59	0.21	0.35	0.36	899	590	332
54	42	0	11	22	23	63	0.18	0.34	0.36	932	580	344
58	18	0	12	22	22	63	0.18	0.35	0.34	918	580	339
61	31	0	11	21	23	62	0.18	0.34	0.36	927	660	343
65	6	0	11	21	22	62	0.18	0.34	0.36	921	540	340
68	11	0	11	22	22	65	0.17	0.33	0.35	930	550	344
72	10	0	11	21	22	64	0.17	0.33	0.35	926	580	342
76	9	0	11	21	22	63	0.18	0.33	0.35	920	500	340
79	10	0	11	21	22	63	0.17	0.33	0.35	918	540	339
83	13	0	11	21	22	63	0.18	0.33	0.35	916	560	339
86	6	0	11	21	21	62	0.18	0.33	0.34	903	560	334
90	35	0	11	21	22	63	0.18	0.33	0.35	915	560	338

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
94	25	0	11	21	22	62	0.18	0.34	0.35	914	580	338
97	28	0	12	21	22	62	0.19	0.34	0.35	913	540	337
101	10	0	12	22	22	68	0.17	0.32	0.33	935	600	346
104	15	0	12	21	22	64	0.19	0.33	0.35	923	590	341
108	0	0	12	19	21	61	0.20	0.32	0.34	884	530	327
112	0	0	12	21	21	61	0.20	0.34	0.34	899	580	332
187	0	0	13	22	23	62	0.21	0.35	0.36	932	510	344
191	1	0	15	22	24	62	0.24	0.36	0.38	945	520	349
194	0	0	15	24	24	65	0.23	0.37	0.38	958	500	354
198	0	0	14	22	22	58	0.24	0.38	0.38	923	510	341
202	0	0	14	23	24	61	0.24	0.38	0.39	945	480	349
205	5	0	14	23	24	65	0.22	0.36	0.37	955	500	353
209	25	0	13	23	24	67	0.20	0.35	0.36	960	470	355
212	11	0	13	23	24	72	0.18	0.32	0.33	965	480	357
216	10	0	12	22	24	65	0.19	0.34	0.36	948	510	350
220	11	0	11	21	23	66	0.17	0.32	0.36	939	460	347
223	10	0	11	21	23	66	0.17	0.32	0.35	936	460	346
227	36	0	12	20	22	61	0.19	0.33	0.36	908	480	336
230	11	0	11	20	22	62	0.18	0.32	0.35	908	500	336
234	11	0	11	21	23	65	0.17	0.32	0.35	929	530	343
238	10	0	10	21	23	68	0.15	0.30	0.33	937	550	346
F620470 :												
83	6	0	12	22	22	63	0.19	0.35	0.34	919	730	340
86	7	0	11	22	22	63	0.18	0.34	0.34	917	650	339
90	11	0	11	21	22	63	0.18	0.34	0.35	918	620	339
94	10	0	11	22	22	64	0.17	0.34	0.34	925	600	342
97	11	0	11	22	22	63	0.18	0.34	0.35	925	600	342
101	10	0	11	22	22	63	0.18	0.35	0.35	926	570	342
104	11	0	11	22	22	64	0.18	0.34	0.34	926	580	342
108	10	0	12	21	22	65	0.18	0.33	0.33	922	580	341
112	4	0	11	20	19	58	0.20	0.34	0.33	859	610	317
115	35	0	12	19	19	57	0.21	0.34	0.33	849	610	314
119	11	0	12	22	22	64	0.18	0.34	0.34	924	630	341
122	10	0	12	21	22	62	0.19	0.35	0.35	915	680	338
126	22	0	11	21	21	62	0.18	0.34	0.35	911	690	337
130	0	0	12	20	19	60	0.19	0.33	0.32	864	670	319
133	24	0	12	20	21	60	0.20	0.34	0.34	894	620	330
137	10	0	12	21	22	63	0.19	0.33	0.35	918	540	339
140	10	0	12	22	21	64	0.19	0.34	0.33	909	550	336
144	10	0	12	21	21	61	0.19	0.34	0.35	905	610	334
148	38	0	12	18	18	55	0.22	0.33	0.32	820	540	303
151	0	0	12	17	15	48	0.25	0.35	0.30	732	560	271
155	43	0	11	21	20	61	0.18	0.34	0.32	880	540	325
158	15	0	11	20	20	61	0.18	0.33	0.32	881	550	326
162	0	0	12	19	19	59	0.20	0.32	0.32	850	600	314
166	24	0	11	20	21	61	0.19	0.33	0.35	898	630	332
169	4	0	11	21	20	62	0.19	0.34	0.32	887	690	328
173	10	0	11	21	22	68	0.16	0.32	0.32	925	680	342
176	11	0	11	21	22	63	0.17	0.33	0.34	915	610	338
180	10	0	10	21	21	63	0.16	0.33	0.34	909	640	336
184	21	0	11	19	20	60	0.18	0.32	0.33	868	600	321
187	18	0	12	17	16	53	0.22	0.32	0.31	774	600	286
191	11	0	11	20	21	61	0.18	0.33	0.34	897	620	332
194	10	0	11	20	21	61	0.18	0.33	0.35	899	590	332

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
198	9	0	11	20	20	61	0.18	0.33	0.34	888	610	328
202	9	0	11	20	21	63	0.18	0.31	0.33	890	580	329
205	11	0	11	21	21	65	0.17	0.32	0.33	914	590	338
209	10	0	11	21	21	64	0.17	0.33	0.34	913	580	337
212	11	0	11	21	22	63	0.17	0.33	0.35	917	580	339
216	10	0	11	21	22	65	0.17	0.32	0.33	918	580	339
220	3	0	11	21	22	64	0.17	0.32	0.33	913	600	337
223	12	0	12	17	16	54	0.22	0.32	0.30	769	570	284
227	11	0	11	20	21	63	0.17	0.32	0.34	898	560	332
230	10	0	11	20	21	65	0.17	0.31	0.33	908	570	336
234	3	0	11	19	21	62	0.18	0.31	0.33	888	560	328
238	19	0	11	20	20	61	0.18	0.32	0.33	888	560	328
241	11	0	11	20	21	63	0.17	0.32	0.34	902	550	333
245	10	0	10	21	22	66	0.15	0.31	0.33	921	560	340
248	11	0	10	21	22	71	0.14	0.29	0.31	935	560	346
252	10	0	10	20	22	72	0.14	0.28	0.31	929	560	343
256	11	0	10	20	22	68	0.15	0.29	0.32	918	560	339
259	45	0	11	19	19	61	0.18	0.32	0.32	864	550	319
263	11	0	10	19	22	71	0.14	0.27	0.31	921	560	340
266	10	0	10	19	22	67	0.15	0.29	0.33	909	540	336
270	10	0	10	20	22	77	0.13	0.25	0.29	940	520	347
274	10	0	10	20	22	74	0.13	0.27	0.30	934	540	345
277	11	0	10	20	22	70	0.14	0.28	0.31	923	560	341
281	10	0	10	20	22	74	0.14	0.27	0.30	937	580	346
284	11	0	10	20	22	70	0.14	0.29	0.31	928	580	343
288	10	0	10	20	22	72	0.14	0.28	0.31	937	570	346
292	11	0	10	20	22	74	0.13	0.27	0.29	938	570	347
F620727 :												
223	3	0	13	22	23	64	0.21	0.34	0.36	940	540	347
227	10	0	13	22	23	64	0.21	0.34	0.35	934	540	345
230	10	0	13	22	23	67	0.19	0.32	0.34	942	540	348
234	11	0	13	22	23	65	0.19	0.34	0.35	938	560	347
238	10	0	12	22	23	66	0.19	0.33	0.34	935	580	346
241	11	0	12	21	23	66	0.18	0.32	0.34	937	630	346
245	10	0	12	21	23	69	0.18	0.31	0.33	942	630	348
248	11	0	12	21	23	67	0.18	0.32	0.34	934	630	345
252	10	0	12	21	23	71	0.17	0.30	0.32	948	640	350
292	11	0	13	23	23	68	0.19	0.34	0.33	945	460	349
295	44	0	13	22	23	68	0.19	0.33	0.33	944	460	349
299	22	0	13	21	19	61	0.21	0.35	0.32	881	470	326
302	10	0	13	22	23	69	0.19	0.32	0.33	945	490	349
306	11	0	13	22	23	72	0.18	0.30	0.31	954	500	353
310	10	0	12	22	23	73	0.17	0.30	0.31	955	450	353
313	11	0	12	22	22	71	0.17	0.30	0.32	943	430	349
317	10	0	11	20	22	73	0.16	0.28	0.31	939	440	347
320	11	0	12	20	22	76	0.15	0.27	0.30	949	440	351
324	6	0	12	21	22	68	0.18	0.31	0.32	926	460	342
328	0	0	12	14	13	42	0.27	0.32	0.30	635	460	235
331	23	0	12	18	19	57	0.21	0.31	0.33	838	460	310
335	11	0	12	20	22	66	0.18	0.31	0.34	921	460	340
F620728 :												
119	10	0	10	21	21	67	0.16	0.32	0.32	920	530	340
122	11	0	11	21	22	62	0.17	0.34	0.34	916	550	339
126	10	0	11	21	21	62	0.17	0.34	0.34	907	520	335

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
130	11	0	10	21	21	65	0.16	0.33	0.33	915	540	338
133	10	0	11	21	21	62	0.18	0.34	0.34	907	580	335
137	11	0	11	21	22	61	0.18	0.34	0.35	912	620	337
140	10	0	10	21	22	63	0.17	0.33	0.34	911	510	337
144	11	0	11	21	21	66	0.17	0.32	0.33	917	580	339
148	10	0	11	21	22	62	0.17	0.34	0.35	910	630	336
151	11	0	11	21	21	66	0.16	0.32	0.32	917	660	339
198	10	0	11	21	22	62	0.19	0.35	0.35	918	540	339
202	11	0	11	21	21	62	0.18	0.35	0.35	914	530	338
205	10	0	11	21	21	62	0.18	0.34	0.34	914	540	338
209	11	0	11	21	22	65	0.17	0.33	0.33	920	530	340
212	10	0	11	21	21	62	0.17	0.35	0.35	912	530	337
216	11	0	11	21	22	64	0.17	0.33	0.34	917	540	339
220	10	0	10	21	21	60	0.17	0.35	0.36	908	530	336
223	11	0	11	21	21	61	0.17	0.34	0.35	909	550	336
227	10	0	10	21	22	66	0.16	0.32	0.33	921	570	340
230	11	0	11	21	22	62	0.18	0.34	0.35	916	520	339
234	10	0	11	21	22	62	0.17	0.34	0.35	914	530	338
238	11	0	11	21	22	64	0.17	0.33	0.34	916	600	339
241	10	0	11	21	22	65	0.16	0.33	0.33	920	510	340
245	11	0	11	21	22	63	0.17	0.34	0.34	919	520	340
248	10	0	11	21	22	65	0.16	0.32	0.34	920	540	340
252	11	0	11	21	22	63	0.17	0.34	0.35	915	590	338
F620730 :												
227	10	0	12	22	24	66	0.19	0.34	0.36	948	410	350
230	10	0	13	22	23	67	0.19	0.33	0.35	951	410	351
234	11	0	12	22	24	67	0.18	0.33	0.35	952	420	352
238	10	0	12	22	23	65	0.18	0.33	0.36	945	420	349
241	11	0	11	22	23	69	0.17	0.31	0.34	950	430	351
245	10	0	11	22	23	67	0.17	0.33	0.35	941	430	348
248	11	0	12	22	23	64	0.18	0.34	0.36	939	440	347
252	10	0	12	22	23	66	0.18	0.33	0.35	938	450	347
256	42	0	11	19	20	58	0.18	0.33	0.35	873	460	323
259	10	0	12	21	23	65	0.18	0.33	0.36	939	470	347
263	11	0	12	22	23	66	0.18	0.33	0.36	943	480	349
266	3	0	12	22	23	65	0.19	0.34	0.36	945	420	349
270	11	0	13	22	23	64	0.20	0.35	0.35	938	420	347
274	5	0	13	22	23	66	0.20	0.34	0.35	946	440	350
277	9	0	13	23	23	65	0.21	0.35	0.36	942	480	348
281	4	0	14	23	23	65	0.21	0.35	0.35	941	530	348
284	8	0	13	22	23	65	0.20	0.34	0.35	943	440	349
288	19	0	13	22	23	64	0.21	0.35	0.36	938	440	347
292	27	0	12	19	19	56	0.21	0.34	0.34	857	470	317
295	34	0	13	23	23	65	0.20	0.35	0.35	943	510	349
299	22	0	13	22	23	64	0.21	0.34	0.36	939	450	347
302	13	0	13	23	23	64	0.20	0.35	0.35	939	460	347
306	43	0	13	22	23	65	0.21	0.34	0.35	940	460	347
F620740 :												
36	0	0	11	13	10	42	0.27	0.31	0.24	553	370	204
40	0	0	10	11	9	35	0.29	0.31	0.25	464	360	171
43	0	0	6	6	7	29	0.21	0.22	0.25	287	410	106
47	0	0	1	2	2	12	0.09	0.13	0.20	47	320	17
50	0	0	1	2	2	10	0.10	0.19	0.20	46	330	17
54	0	0	1	2	3	10	0.10	0.22	0.30	60	390	22

						BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
58	0	0	1	2	2	8	0.16	0.24	0.28	17	320	6
61	0	0	1	3	3	9	0.16	0.28	0.30	68	340	25
65	0	0	1	2	2	9	0.16	0.17	0.26	11	340	4
68	0	0	1	1	2	5	0.23	0.24	0.34	41	350	15
72	0	0	1	2	2	5	0.18	0.34	0.35	90	330	33
76	0	0	1	3	3	8	0.14	0.35	0.32	114	370	42
79	0	0	2	4	4	14	0.12	0.26	0.28	125	380	46
83	0	0	2	3	2	9	0.24	0.33	0.18	27	400	10
86	0	0	2	4	2	12	0.18	0.36	0.13	20	380	7
90	0	0	2	6	3	17	0.14	0.34	0.17	108	370	40
94	0	0	1	4	2	9	0.16	0.50	0.23	60	380	22
97	0	0	1	3	2	8	0.14	0.40	0.23	7	350	3
101	0	0	2	3	2	9	0.18	0.39	0.23	27	360	10
104	0	0	1	2	1	6	0.21	0.40	0.21	48	390	18
108	0	0	2	2	2	8	0.23	0.31	0.27	23	410	9
112	0	0	1	2	2	7	0.19	0.27	0.27	16	320	6
115	0	0	2	4	3	14	0.15	0.30	0.21	74	340	27
119	0	0	1	3	2	12	0.09	0.24	0.20	4	350	1
122	0	0	3	4	4	17	0.18	0.23	0.22	97	350	36
126	0	0	9	8	5	30	0.29	0.26	0.18	265	250	98
130	0	0	8	8	4	31	0.26	0.26	0.14	236	250	87
133	0	0	7	6	4	23	0.29	0.27	0.16	157	260	58
137	0	0	2	4	4	20	0.10	0.22	0.19	106	100	39
140	0	0	7	6	5	19	0.36	0.32	0.26	222	100	82
144	0	0	3	4	4	17	0.17	0.25	0.22	116	100	43
148	0	0	6	6	4	23	0.27	0.24	0.19	160	100	59
151	0	0	4	4	3	23	0.19	0.19	0.13	86	110	32
155	0	0	7	6	4	24	0.28	0.26	0.15	168	110	62
158	0	0	4	6	4	20	0.21	0.27	0.18	137	110	51
162	0	0	1	5	4	15	0.10	0.33	0.26	157	110	58
166	0	0	5	7	4	24	0.22	0.29	0.17	200	110	74
169	0	0	2	5	4	18	0.10	0.30	0.23	160	110	59
173	0	0	4	6	6	23	0.16	0.28	0.25	257	110	95
176	0	0	2	4	4	16	0.12	0.23	0.27	127	110	47
180	0	0	1	3	4	16	0.06	0.20	0.24	77	110	28
184	0	0	2	4	2	12	0.20	0.33	0.20	43	110	16
187	10	0	9	12	8	37	0.23	0.33	0.22	477	110	176
191	10	0	8	18	12	47	0.16	0.38	0.26	672	110	248
194	9	0	8	14	10	41	0.20	0.34	0.24	557	110	206
198	10	0	11	15	12	47	0.23	0.33	0.25	637	110	235
202	37	0	6	16	10	55	0.11	0.28	0.19	605	110	224
205	6	0	6	7	6	29	0.20	0.25	0.21	282	100	104
209	6	0	6	14	9	43	0.15	0.34	0.22	542	100	200
212	0	0	8	14	9	40	0.21	0.34	0.22	511	100	189
216	0	0	4	5	3	16	0.23	0.28	0.16	63	120	23
220	0	0	5	4	4	21	0.26	0.20	0.18	100	120	37
223	0	0	2	3	3	15	0.15	0.20	0.22	46	120	17
227	0	0	2	4	4	12	0.21	0.30	0.37	241	120	89
230	0	0	3	4	5	13	0.22	0.33	0.37	261	140	96
234	0	0	1	3	5	12	0.10	0.22	0.41	280	140	103
238	0	0	4	4	7	24	0.18	0.17	0.28	214	130	79
241	0	0	2	4	4	14	0.16	0.29	0.29	145	140	54
245	0	0	1	3	3	10	0.14	0.26	0.29	72	170	27
248	0	0	2	3	3	11	0.14	0.24	0.27	50	180	18

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
252	0	0	2	3	3	13	0.16	0.19	0.24	31	190	11
256	0	0	1	4	4	13	0.09	0.28	0.29	129	210	48
259	0	0	1	4	4	10	0.09	0.38	0.35	201	230	74
263	0	0	1	3	5	15	0.06	0.22	0.36	228	250	84
266	0	0	1	2	3	8	0.10	0.24	0.31	55	270	20
270	0	0	1	2	3	10	0.09	0.22	0.33	104	190	38
274	0	0	1	3	3	12	0.09	0.22	0.24	35	220	13
277	0	0	1	3	4	11	0.09	0.23	0.35	170	240	63
281	0	0	1	3	3	9	0.10	0.33	0.34	143	260	53
284	0	0	1	3	2	9	0.10	0.36	0.26	48	300	18
288	0	0	2	3	3	13	0.13	0.25	0.24	52	230	19
292	0	0	2	3	4	16	0.16	0.18	0.25	77	270	28
295	0	0	5	4	4	18	0.27	0.21	0.23	103	290	38
299	0	0	8	7	5	27	0.28	0.26	0.17	228	320	84
302	0	0	7	5	6	24	0.30	0.22	0.23	203	320	75
306	0	0	9	9	7	35	0.26	0.26	0.21	379	320	140
310	11	0	2	5	4	17	0.10	0.30	0.24	155	340	57
313	1	0	1	5	5	18	0.08	0.29	0.25	180	340	67
317	0	0	1	4	3	12	0.09	0.35	0.24	85	330	31
320	0	0	1	4	2	9	0.11	0.42	0.25	67	340	25
324	0	0	1	5	4	15	0.07	0.34	0.27	163	360	60
328	0	0	3	6	5	20	0.16	0.31	0.26	228	390	84
331	0	0	2	4	5	17	0.12	0.27	0.29	188	420	69
335	0	0	9	9	7	30	0.30	0.29	0.24	370	420	137
338	0	0	7	7	7	29	0.25	0.25	0.24	320	440	118
342	0	0	8	9	8	34	0.23	0.28	0.24	407	490	150
346	0	0	12	15	14	48	0.25	0.32	0.30	700	480	259
349	0	0	11	16	15	49	0.24	0.33	0.30	722	470	267
353	0	0	12	19	16	57	0.21	0.33	0.28	786	450	290
356	0	0	12	19	16	56	0.22	0.33	0.28	790	440	292
360	0	0	12	18	16	57	0.21	0.32	0.28	790	440	292
F620741 :												
32	9	0	12	21	22	64	0.18	0.33	0.35	924	530	341
36	1	0	11	21	21	63	0.18	0.33	0.33	906	540	335
40	30	0	11	20	22	63	0.18	0.32	0.35	912	530	337
43	43	0	11	20	21	61	0.18	0.33	0.34	888	540	328
47	3	0	11	20	19	58	0.20	0.34	0.32	854	640	316
50	8	0	11	21	21	62	0.18	0.33	0.34	905	580	334
54	20	0	11	21	21	63	0.18	0.33	0.33	901	590	333
58	10	0	11	21	22	63	0.18	0.34	0.35	920	550	340
61	34	0	11	21	23	63	0.17	0.33	0.36	929	550	343
65	41	0	11	21	22	64	0.17	0.33	0.35	926	520	342
68	6	0	11	22	22	64	0.17	0.34	0.35	928	570	343
72	13	0	11	21	22	63	0.18	0.34	0.35	925	500	342
76	5	0	12	20	20	60	0.21	0.34	0.33	879	480	325
79	6	0	12	20	20	60	0.20	0.33	0.33	878	450	324
83	0	0	12	19	17	56	0.22	0.34	0.31	818	430	302
86	0	0	12	19	17	59	0.20	0.33	0.28	815	390	301
90	0	0	12	17	16	54	0.23	0.32	0.29	769	140	284
94	0	0	12	16	13	43	0.29	0.36	0.29	668	140	247
97	0	0	9	8	7	31	0.29	0.26	0.23	342	200	126
101	2	0	2	3	3	14	0.11	0.19	0.21	21	270	8
104	0	0	1	1	1	4	0.22	0.24	0.21	131	320	48
108	0	0	1	1	1	4	0.22	0.20	0.26	94	370	35

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
112	0	0	1	1	1	3	0.25	0.22	0.18	158	410	58
115	0	0	1	1	1	3	0.27	0.23	0.22	135	460	50
119	0	0	1	1	1	4	0.23	0.18	0.16	165	480	61
122	0	0	1	1	1	3	0.31	0.24	0.22	141	500	52
126	0	0	1	1	1	6	0.14	0.24	0.21	88	520	33
F620742 :												
133	11	0	12	21	21	74	0.16	0.29	0.28	933	580	345
137	10	0	12	21	21	73	0.16	0.28	0.28	921	580	340
140	5	0	13	22	21	68	0.19	0.32	0.31	928	580	343
144	3	0	15	23	21	63	0.24	0.36	0.33	908	580	336
148	0	0	16	22	22	62	0.26	0.35	0.35	921	570	340
151	29	0	12	18	16	53	0.23	0.34	0.31	787	480	291
155	14	0	15	22	20	62	0.24	0.36	0.33	901	420	333
158	1	0	16	23	21	63	0.25	0.36	0.34	915	390	338
162	22	0	15	23	22	65	0.23	0.34	0.34	937	420	346
166	43	0	14	22	22	65	0.22	0.34	0.34	928	400	343
169	6	0	15	22	21	63	0.23	0.35	0.34	920	420	340
173	0	0	14	22	20	62	0.23	0.36	0.33	901	420	333
176	0	0	15	22	20	60	0.24	0.37	0.33	893	440	330
180	0	0	14	23	21	61	0.24	0.37	0.34	907	460	335
184	0	0	14	21	19	58	0.24	0.36	0.32	860	460	318
187	0	0	12	15	13	44	0.29	0.34	0.29	665	500	246
191	0	0	12	19	18	61	0.20	0.31	0.30	849	460	314
194	1	0	12	20	21	62	0.19	0.32	0.33	891	530	329
198	0	0	12	20	19	61	0.19	0.32	0.32	869	510	321
299	1	0	11	20	22	64	0.16	0.32	0.35	919	560	340
302	10	0	10	20	23	69	0.15	0.29	0.33	926	520	342
306	11	0	11	21	23	70	0.16	0.31	0.33	945	470	349
310	10	0	12	22	24	73	0.16	0.30	0.32	961	520	355
313	11	0	12	22	23	68	0.18	0.32	0.34	945	560	349
317	10	0	13	23	22	64	0.20	0.35	0.35	935	600	346
320	11	0	12	21	23	66	0.18	0.32	0.34	933	680	345

Size: 24 X 3.75

Comments: Data extracted from regions
exhibiting smooth adhesion pull.

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							BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K		BAND	BBAND	BBAND	BBAND	FEEL	FEEL	EST. FEEL
A62895 :													
47	0	0	17	31	21	67	0.26	0.45	0.31		841	330	548
50	0	0	17	30	19	66	0.26	0.45	0.29		817	320	533
54	0	0	17	30	20	65	0.26	0.46	0.30		822	320	536
58	0	0	16	20	13	64	0.24	0.32	0.20		733	320	478
119	0	0	6	9	6	27	0.21	0.34	0.23		335		218
122	0	0	5	8	3	23	0.23	0.35	0.15		196		128
126	0	0	3	6	4	16	0.17	0.38	0.23		174		113
130	0	0	2	3	3	11	0.15	0.32	0.27		75		49
133	0	0	3	4	1	8	0.39	0.50	0.10		-30		-20
137	0	0	3	5	2	14	0.24	0.34	0.13		45	310	29
140	0	0	3	6	3	18	0.19	0.34	0.17		130	300	85
144	0	0	5	8	4	22	0.22	0.37	0.19		232	300	151
148	0	0	6	12	7	31	0.19	0.40	0.22		416	320	271
205	0	0	18	30	16	59	0.30	0.50	0.26		704	290	459
209	0	0	17	30	16	60	0.29	0.50	0.27		709	290	462
212	0	0	18	30	16	59	0.30	0.51	0.27		714	300	466
216	0	0	17	31	19	64	0.26	0.49	0.30		787	290	513
220	0	0	17	31	18	64	0.26	0.48	0.29		779	290	508
223	0	0	16	30	17	63	0.26	0.48	0.27		753	290	491
227	0	0	17	31	18	65	0.26	0.47	0.27		749	290	488
230	0	0	16	31	18	66	0.25	0.47	0.28		764	280	498
234	0	0	17	31	18	66	0.25	0.47	0.28		770	300	502
238	0	0	17	32	20	67	0.25	0.47	0.30		799	300	521
241	0	0	17	32	19	67	0.25	0.48	0.29		781	310	509
245	0	0	17	30	17	65	0.26	0.46	0.27		762	300	497
248	0	0	17	30	17	64	0.26	0.47	0.26		727	280	474
252	0	0	17	30	17	65	0.26	0.46	0.26		744	280	485
256	0	0	17	31	17	65	0.26	0.48	0.26		731	330	477
259	0	0	17	31	20	67	0.25	0.47	0.29		802	320	523
263	0	0	17	31	19	67	0.25	0.46	0.29		802	270	523
266	0	0	17	31	20	67	0.26	0.46	0.30		816	270	532
270	0	0	17	31	19	66	0.26	0.46	0.28		785	260	512
274	0	0	18	31	19	67	0.26	0.47	0.29		791	260	516
277	0	0	18	31	20	67	0.26	0.46	0.30		823	260	537
281	0	0	17	31	20	67	0.26	0.46	0.31		835	280	545
284	0	0	14	20	12	55	0.26	0.36	0.22		694	300	453
288	0	0	14	16	11	52	0.28	0.31	0.20		616	310	402
292	0	0	18	25	14	78	0.24	0.32	0.19		783	300	511
295	0	0	18	29	19	69	0.26	0.42	0.28		837	310	546
299	0	0	17	31	21	68	0.26	0.45	0.31		850	320	554
B66664 :													
270	0	0	11	17	15	47	0.24	0.35	0.32		738	560	481
274	0	0	11	16	14	46	0.25	0.34	0.31		713	560	465

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
277	0	0	11	16	15	44	0.26	0.38	0.33	733	580	478
281	0	0	13	23	20	58	0.23	0.39	0.34	886	600	578
284	0	0	13	20	19	54	0.25	0.38	0.35	862	610	562
288	0	0	13	21	18	54	0.24	0.39	0.34	849	600	554
292	0	0	14	23	20	56	0.25	0.40	0.36	897	600	585
295	0	0	14	23	21	60	0.23	0.38	0.34	903	600	589
299	0	0	14	23	21	60	0.24	0.38	0.35	904	600	590
C66877 :												
43	10	0	13	20	19	62	0.21	0.31	0.31	870	620	567
47	9	0	13	20	20	63	0.21	0.31	0.31	876	600	571
50	4	0	13	20	20	61	0.21	0.32	0.33	885	650	577
54	10	0	12	19	20	62	0.20	0.31	0.31	871	650	568
58	0	0	13	17	17	61	0.21	0.28	0.29	809	620	528
61	0	0	12	17	17	60	0.20	0.29	0.29	799	650	521
65	0	0	12	15	16	57	0.20	0.27	0.28	742	670	484
68	0	0	11	15	15	52	0.22	0.28	0.29	715	630	466
72	0	0	12	15	14	52	0.22	0.29	0.28	712	650	464
76	0	0	13	17	16	61	0.22	0.27	0.27	782	630	510
79	0	0	13	16	16	59	0.22	0.26	0.27	754	650	492
83	0	0	13	16	16	60	0.22	0.27	0.26	758	660	494
86	0	0	13	15	15	58	0.22	0.26	0.27	732	660	477
90	0	0	13	17	19	62	0.20	0.28	0.30	831	650	542
94	33	0	12	19	20	62	0.19	0.32	0.32	872	680	569
97	8	0	12	21	21	61	0.19	0.34	0.34	899	690	586
D613344 :												
43	0	0	17	27	16	57	0.30	0.47	0.28	767	350	500
47	0	0	18	28	17	58	0.31	0.48	0.29	779	340	508
50	0	0	18	29	17	56	0.32	0.51	0.31	765	330	499
54	0	0	18	30	18	59	0.30	0.51	0.30	761	330	496
58	0	0	18	28	16	58	0.31	0.48	0.28	764	320	498
61	0	0	18	28	16	57	0.31	0.49	0.28	742	320	484
65	0	0	18	29	16	59	0.30	0.49	0.27	736	320	480
68	0	0	17	28	16	58	0.30	0.48	0.27	739	320	482
72	0	0	18	30	17	61	0.29	0.49	0.27	739	310	482
76	0	0	18	29	16	61	0.29	0.48	0.26	732	320	477
79	0	0	18	29	16	59	0.30	0.50	0.27	724	320	472
83	0	0	17	27	15	56	0.31	0.48	0.27	735	300	479
86	0	0	17	27	15	56	0.31	0.47	0.27	738	290	481
90	0	0	17	28	16	60	0.29	0.47	0.26	735	300	479
94	0	0	17	30	16	62	0.28	0.48	0.26	733	310	478
97	0	0	17	30	17	63	0.27	0.47	0.27	746	320	487
101	0	0	17	28	16	59	0.29	0.48	0.27	741	340	483
104	0	0	17	27	16	59	0.29	0.47	0.27	758	320	494
108	0	0	17	28	15	58	0.30	0.48	0.27	731	320	477
112	0	0	17	28	16	59	0.30	0.47	0.27	740	320	483
115	0	0	18	29	16	59	0.30	0.49	0.27	735	320	479
119	0	0	17	28	16	58	0.30	0.49	0.27	731	370	477
122	0	0	18	29	16	61	0.29	0.48	0.27	739	370	482
126	0	0	17	30	17	62	0.28	0.48	0.27	745	380	486
130	0	0	18	30	17	59	0.30	0.50	0.28	736	390	480
133	0	0	18	28	16	57	0.31	0.50	0.29	751	390	490
137	0	0	18	30	16	58	0.31	0.51	0.28	725	430	473
140	0	0	17	29	16	57	0.30	0.50	0.27	724	430	472
144	0	0	18	29	16	58	0.31	0.50	0.28	730	430	476

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
148	0	0	18	31	17	61	0.29	0.51	0.28	715	430	466
151	0	0	17	30	17	61	0.28	0.49	0.27	730	430	476
155	0	0	17	30	17	63	0.28	0.48	0.27	735	440	479
158	0	0	17	30	17	64	0.27	0.47	0.27	744	490	485
162	0	0	18	30	17	64	0.28	0.47	0.26	739	480	482
166	0	0	17	30	17	63	0.27	0.47	0.26	744	470	485
169	0	0	18	31	17	64	0.28	0.48	0.27	733	470	478
173	0	0	17	31	17	64	0.27	0.48	0.26	719	470	469
176	0	0	18	30	17	64	0.27	0.48	0.26	725	460	473
180	0	0	17	31	16	63	0.27	0.48	0.26	710	460	463
184	0	0	17	30	16	63	0.28	0.48	0.25	714	460	466
187	0	0	17	30	17	63	0.27	0.47	0.26	730	420	476
191	0	0	18	30	16	63	0.28	0.47	0.26	733	420	478
270	0	0	18	29	15	62	0.29	0.47	0.25	717	460	468
274	0	0	18	29	15	61	0.29	0.47	0.25	720	460	470
277	0	0	18	29	15	60	0.30	0.48	0.25	716	460	467
281	0	0	18	29	15	61	0.29	0.47	0.25	711	460	464
284	0	0	18	29	15	62	0.28	0.46	0.25	716	460	467
288	0	0	18	29	16	63	0.28	0.46	0.25	726	460	473
292	0	0	18	29	16	62	0.29	0.46	0.25	731	460	477
295	0	0	18	29	16	63	0.28	0.46	0.25	727	460	474
299	0	0	18	29	16	63	0.29	0.46	0.25	730	460	476
302	0	0	18	29	16	63	0.28	0.46	0.26	750	460	489
306	0	0	18	30	16	63	0.29	0.47	0.25	723	470	472
310	0	0	18	28	16	62	0.29	0.46	0.25	735	460	479
313	0	0	18	29	16	63	0.29	0.46	0.26	736	460	480
317	0	0	19	29	16	62	0.30	0.47	0.27	745	460	486
320	0	0	18	29	16	62	0.29	0.47	0.26	730	460	476
324	0	0	18	28	16	62	0.29	0.45	0.25	752	460	490
328	0	0	18	28	15	61	0.30	0.46	0.25	735	460	479
331	0	0	18	28	15	61	0.30	0.46	0.25	738	460	481
335	0	0	18	27	15	60	0.31	0.45	0.25	731	460	477
338	0	0	17	26	14	55	0.32	0.48	0.26	709	460	462
G525038 :												
47	0	0	14	16	13	45	0.31	0.35	0.28	665	240	434
50	0	0	14	16	13	46	0.31	0.35	0.28	670	250	437
54	0	0	14	16	12	45	0.31	0.36	0.28	663	240	432
58	0	0	14	16	13	45	0.31	0.36	0.28	667	230	435
61	0	0	14	16	13	45	0.32	0.36	0.28	677	240	442
65	0	0	14	16	12	42	0.33	0.38	0.29	657	240	428
68	0	0	14	17	13	45	0.32	0.36	0.28	677	240	442
72	0	0	15	17	13	47	0.32	0.37	0.28	691	260	451
76	0	0	15	16	13	45	0.32	0.36	0.28	680	270	443
79	0	0	14	17	13	44	0.33	0.37	0.29	680	270	443
83	0	0	15	16	13	44	0.33	0.37	0.29	678	260	442
86	0	0	15	17	13	45	0.32	0.37	0.28	679	270	443
90	0	0	14	17	13	46	0.31	0.36	0.28	676	270	441
94	0	0	14	16	12	46	0.30	0.35	0.27	668	270	436
97	0	0	14	16	13	46	0.31	0.36	0.27	672	260	438
101	0	0	15	16	13	46	0.32	0.35	0.27	676	260	441
104	0	0	15	17	13	47	0.31	0.35	0.27	683	260	445
108	0	0	15	17	13	48	0.31	0.35	0.27	681	270	444
112	0	0	15	17	13	47	0.31	0.36	0.27	683	270	445
115	0	0	14	16	12	44	0.32	0.36	0.28	667	280	435

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
119	0	0	14	16	12	45	0.32	0.37	0.28	669	280	436
122	0	0	14	17	12	47	0.31	0.37	0.27	680	280	443
126	0	0	14	17	12	47	0.30	0.36	0.26	673	280	439
130	0	0	14	16	12	45	0.31	0.36	0.27	666	280	434
133	0	0	14	18	12	47	0.30	0.38	0.26	685	280	447
137	0	0	15	18	13	47	0.31	0.38	0.27	684	290	446
140	0	0	15	18	13	46	0.32	0.38	0.27	688	290	449
144	0	0	14	17	13	44	0.33	0.39	0.29	686	290	447
148	0	0	15	18	13	44	0.33	0.41	0.29	693	300	452
151	0	0	15	18	13	44	0.33	0.40	0.29	692	300	451
155	0	0	14	19	13	45	0.32	0.41	0.28	695	300	453
158	0	0	15	19	13	46	0.32	0.41	0.28	691	280	451
162	0	0	14	19	13	46	0.32	0.42	0.28	698	280	455
166	0	0	15	20	13	47	0.31	0.42	0.28	705	300	460

Comments: Data extracted from regions exhibiting smooth adhesion pull.

●	●
●	●

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	PEEL
B65179 :												
40	0	0	19	29	21	68	0.27	0.42	0.31	892	720	892
43	0	0	19	29	22	68	0.28	0.42	0.32	896	725	896
47	0	0	19	28	21	67	0.28	0.42	0.31	880	730	880
50	0	0	19	28	21	67	0.28	0.41	0.31	893	740	893
54	0	0	19	28	20	66	0.28	0.42	0.30	871	740	871
76	0	0	19	28	21	67	0.28	0.42	0.31	889	740	889
79	0	0	19	29	21	68	0.27	0.42	0.31	887	730	887
83	0	0	19	28	22	69	0.27	0.41	0.32	912	735	912
86	0	0	18	29	22	69	0.27	0.42	0.31	894	740	894
90	0	0	18	28	21	67	0.27	0.42	0.31	885	740	885
94	0	0	19	28	20	66	0.29	0.43	0.30	857	730	857
97	0	0	16	23	17	58	0.28	0.40	0.29	821	730	821
101	0	0	18	24	18	61	0.30	0.40	0.29	842	730	842
104	0	0	18	26	18	63	0.28	0.41	0.29	851	725	851
108	0	0	18	24	18	62	0.29	0.39	0.29	848	725	848
112	0	0	18	23	18	61	0.29	0.38	0.29	851	725	851
115	0	0	18	23	18	60	0.30	0.39	0.30	845	725	845
119	0	0	19	25	19	64	0.29	0.40	0.30	887	720	887
122	0	0	18	25	19	65	0.27	0.39	0.30	879	720	879
126	0	0	18	24	19	63	0.29	0.38	0.30	877	720	877
130	0	0	18	26	20	6	0.28	0.41	0.30	880	720	880
133	0	0	19	29	21	67	0.28	0.43	0.31	870	710	870
137	0	0	19	29	21	67	0.28	0.44	0.32	876	710	876
140	0	0	19	29	21	67	0.29	0.42	0.32	893	710	893
144	0	0	19	29	21	67	0.29	0.44	0.32	875	710	875
148	0	0	19	28	21	67	0.29	0.43	0.32	886	715	886
151	0	0	19	28	20	66	0.29	0.43	0.31	878	715	878
155	0	0	19	27	20	65	0.29	0.42	0.31	877	715	877
158	0	0	19	28	20	65	0.30	0.43	0.31	868	720	868
162	0	0	19	28	20	65	0.29	0.42	0.31	872	720	872
166	0	0	19	28	20	65	0.29	0.43	0.30	859	710	859
169	0	0	19	28	20	66	0.29	0.42	0.31	879	705	879
173	0	0	20	27	21	66	0.30	0.42	0.32	891	705	891
176	0	0	19	28	21	66	0.29	0.43	0.32	881	705	881
B65490 :												
90	0	0	19	19	14	53	0.36	0.36	0.26	732	480	732
94	0	0	19	19	14	53	0.36	0.36	0.26	731	480	731
97	0	0	19	19	14	53	0.37	0.35	0.26	726	480	726
101	0	0	19	19	13	53	0.35	0.36	0.25	725	480	725
104	0	0	19	19	13	53	0.36	0.36	0.25	722	480	722
108	0	0	18	19	14	53	0.35	0.36	0.27	746	480	746
112	0	0	19	19	15	55	0.35	0.35	0.27	758	480	758
115	0	0	19	19	14	53	0.35	0.36	0.27	752	480	752

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
119	0	0	18	18	14	53	0.35	0.37	0.27	745	480	745
122	0	0	18	18	14	53	0.33	0.36	0.26	736	480	736
126	0	0	18	18	13	51	0.34	0.35	0.26	717	420	717
130	0	0	17	19	14	52	0.34	0.35	0.26	722	420	722
133	0	0	18	19	14	51	0.35	0.36	0.28	735	420	735
137	0	0	19	19	14	53	0.35	0.36	0.27	747	420	747
140	0	0	18	19	14	52	0.34	0.36	0.27	743	420	743
144	0	0	18	19	15	53	0.35	0.36	0.28	757	420	757
148	0	0	18	19	15	54	0.34	0.36	0.28	767	420	767
151	0	0	19	20	15	54	0.35	0.37	0.28	781	420	781
155	0	0	19	21	16	55	0.34	0.38	0.29	796	420	796
158	0	0	19	21	15	55	0.34	0.37	0.28	778	420	778
162	0	0	18	20	15	54	0.33	0.37	0.27	763	420	763
166	0	0	18	20	15	53	0.34	0.38	0.29	767	420	767
169	0	0	17	18	14	49	0.35	0.37	0.29	744	420	744
173	0	0	17	18	14	50	0.34	0.37	0.29	738	420	738
176	0	0	16	18	15	49	0.33	0.38	0.30	749	410	749
180	0	0	16	19	15	49	0.33	0.38	0.30	751	410	751
184	0	0	16	18	15	49	0.34	0.37	0.30	743	410	743
187	0	0	16	18	15	48	0.33	0.38	0.31	753	410	753
191	0	0	16	17	15	47	0.34	0.37	0.32	745	410	745
194	0	0	15	17	14	46	0.33	0.37	0.30	715	410	715
198	0	0	15	17	13	45	0.34	0.37	0.29	684	410	684
202	0	0	16	17	13	46	0.35	0.37	0.29	699	400	699
205	0	0	16	17	14	45	0.36	0.37	0.31	720	400	720
209	0	0	16	17	15	46	0.35	0.37	0.31	736	400	736
212	0	0	17	17	15	48	0.34	0.36	0.30	744	400	744
216	0	0	17	18	15	48	0.35	0.36	0.31	751	400	751
220	0	0	17	17	15	49	0.34	0.35	0.30	742	400	742
223	0	0	17	18	15	50	0.34	0.36	0.30	755	420	755
227	0	0	18	19	15	53	0.34	0.36	0.29	770	420	770
230	0	0	15	18	15	55	0.31	0.33	0.27	755	420	755
234	0	0	18	17	14	53	0.29	0.33	0.27	737	420	737
238	0	0	18	20	15	54	0.34	0.36	0.27	764	420	764
241	0	0	19	20	15	55	0.35	0.36	0.28	781	600	781
245	0	0	19	20	16	56	0.33	0.36	0.28	797	600	797
248	0	0	19	21	16	56	0.34	0.36	0.28	795	600	795
252	0	0	19	20	16	56	0.34	0.36	0.28	793	600	793
256	0	0	19	20	16	56	0.34	0.36	0.29	798	600	798
259	0	0	18	20	16	56	0.33	0.36	0.29	795	600	795
263	0	0	18	19	16	54	0.34	0.36	0.29	786	600	786
266	0	0	19	20	16	57	0.33	0.36	0.28	800	600	800
270	0	0	20	22	16	59	0.34	0.38	0.27	798	600	798
274	0	0	20	22	16	58	0.34	0.38	0.27	797	600	797
B65491 :												
130	0	0	19	22	15	55	0.34	0.40	0.27	771	440	771
133	0	0	16	18	12	49	0.32	0.37	0.24	673	440	673
137	0	0	17	19	13	49	0.35	0.38	0.27	712	440	712
140	0	0	18	21	15	53	0.33	0.39	0.28	761	440	761
144	0	0	14	17	11	43	0.33	0.40	0.26	642	440	642
148	0	0	16	19	12	47	0.33	0.39	0.26	679	420	679
151	0	0	16	18	12	48	0.33	0.39	0.24	662	420	662
155	0	0	19	23	16	59	0.33	0.39	0.27	805	420	805
158	0	0	20	22	16	58	0.35	0.39	0.27	790	420	790

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
162	0	0	20	22	15	57	0.35	0.38	0.27	782	420	782
166	0	0	18	20	15	53	0.34	0.38	0.27	761	420	761
169	0	0	16	17	13	49	0.32	0.34	0.26	681	420	681
173	0	0	15	17	12	45	0.33	0.37	0.27	662	420	662
176	0	0	18	20	15	52	0.34	0.39	0.28	762	420	762
180	0	0	18	20	15	52	0.35	0.38	0.28	760	420	760
184	0	0	19	22	16	56	0.34	0.39	0.29	805	450	805
187	0	0	19	20	15	54	0.35	0.38	0.28	770	430	770
191	0	0	19	21	15	55	0.34	0.39	0.28	778	420	778
194	0	0	19	21	15	54	0.36	0.39	0.29	785	420	785
198	0	0	19	21	15	54	0.35	0.39	0.27	765	420	765
202	0	0	17	19	14	52	0.33	0.37	0.26	731	410	731
205	0	0	16	17	12	52	0.31	0.34	0.24	678	410	678
209	0	0	19	21	15	53	0.36	0.39	0.29	779	410	779
212	0	0	19	21	15	56	0.35	0.38	0.28	782	420	782
216	0	0	19	21	15	53	0.35	0.39	0.29	773	420	773
220	0	0	18	20	16	53	0.35	0.38	0.30	790	420	790
223	0	0	20	21	16	54	0.36	0.38	0.30	808	440	808
227	0	0	20	23	17	57	0.36	0.40	0.30	832	450	832
C67381 :												
90	0	0	13	15	9	58	0.23	0.25	0.16	573	400	573
94	0	0	11	14	9	54	0.21	0.26	0.17	560	400	560
97	0	0	12	14	9	56	0.21	0.25	0.16	560	380	560
101	0	0	12	14	9	56	0.22	0.25	0.17	565	380	565
104	0	0	12	14	9	55	0.23	0.26	0.17	562	380	562
108	0	0	13	14	10	53	0.24	0.27	0.18	577	380	577
112	0	0	14	15	10	52	0.27	0.29	0.20	600	380	600
115	0	0	15	16	11	52	0.28	0.30	0.21	630	380	630
119	0	0	15	16	12	51	0.30	0.32	0.23	658	380	658
122	0	0	16	17	13	50	0.32	0.34	0.25	680	380	680
126	0	0	16	17	13	50	0.32	0.34	0.25	679	380	679
130	0	0	17	17	13	51	0.32	0.33	0.25	684	380	684
133	0	0	17	17	12	51	0.32	0.33	0.24	678	380	678
137	0	0	17	19	13	51	0.33	0.34	0.25	690	380	690
140	0	0	17	19	14	51	0.32	0.36	0.26	730	380	730
144	0	0	17	19	14	51	0.33	0.37	0.27	739	380	739
148	0	0	17	19	14	51	0.33	0.37	0.28	747	380	747
151	0	0	17	19	14	52	0.33	0.38	0.28	754	380	754
155	0	0	17	19	14	51	0.33	0.38	0.28	741	380	741
158	0	0	17	19	14	51	0.35	0.36	0.28	750	380	750
162	0	0	17	19	14	52	0.34	0.37	0.28	742	380	742
166	0	0	17	19	14	51	0.34	0.37	0.28	739	380	739
169	0	0	17	19	14	50	0.34	0.38	0.28	744	380	744
173	0	0	18	19	14	51	0.34	0.37	0.28	748	380	748
176	0	0	17	19	14	51	0.34	0.37	0.29	749	380	749
180	0	0	17	19	15	50	0.34	0.38	0.29	755	420	755
184	0	0	17	18	15	50	0.34	0.37	0.29	752	420	752
187	0	0	17	19	15	51	0.34	0.38	0.29	757	420	757
191	0	0	17	19	15	52	0.34	0.37	0.28	755	400	755
194	0	0	17	20	15	52	0.33	0.37	0.28	755	400	755
198	0	0	17	19	14	52	0.33	0.37	0.28	751	400	751
202	0	0	18	20	15	53	0.34	0.38	0.28	766	400	766
205	0	0	19	21	16	56	0.33	0.37	0.28	788	400	788
209	0	0	18	21	15	56	0.33	0.38	0.28	787	400	787

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
212	0	0	18	21	16	55	0.34	0.38	0.29	794	400	794
216	0	0	18	21	15	55	0.32	0.38	0.28	786	400	786
220	0	0	18	21	16	56	0.33	0.38	0.28	795	400	795
223	0	0	18	21	16	57	0.33	0.37	0.28	790	400	790
227	0	0	19	22	16	57	0.32	0.38	0.28	805	400	805
230	0	0	19	22	16	56	0.33	0.38	0.28	797	400	797
234	0	0	19	21	15	57	0.33	0.38	0.28	788	400	788
238	0	0	19	22	15	58	0.33	0.38	0.27	787	400	787
241	0	0	19	22	16	55	0.33	0.38	0.27	792	400	792
245	0	0	19	23	16	58	0.32	0.39	0.28	791	400	791
C6B433 :												
101	38	0	21	33	24	76	0.28	0.43	0.32	888	740	888
104	6	0	22	35	24	77	0.28	0.45	0.31	849	740	849
108	5	0	22	34	25	77	0.28	0.44	0.32	882	735	882
112	5	0	23	34	25	77	0.29	0.44	0.32	876	735	876
115	2	0	22	34	25	79	0.28	0.43	0.32	890	730	890
119	6	0	21	33	25	75	0.28	0.44	0.33	892	740	892
122	31	0	22	32	24	75	0.29	0.43	0.32	888	750	888
126	5	0	22	33	24	76	0.29	0.44	0.32	878	760	878
130	0	0	22	32	24	74	0.30	0.44	0.32	888	750	888
133	19	0	21	32	25	74	0.29	0.44	0.34	905	745	905
137	1	0	21	30	25	73	0.29	0.42	0.34	936	750	936
140	1	0	21	30	24	71	0.30	0.43	0.34	928	750	928
144	0	0	21	30	24	70	0.30	0.43	0.34	915	750	915
148	0	0	21	30	23	71	0.30	0.42	0.33	917	750	917
151	0	0	20	29	23	70	0.29	0.42	0.33	919	750	919
155	0	0	20	30	23	70	0.29	0.42	0.33	916	760	916
158	0	0	20	30	23	69	0.29	0.44	0.33	899	755	899
162	0	0	20	30	23	69	0.29	0.43	0.33	912	755	912
166	0	0	20	30	22	68	0.29	0.44	0.32	885	760	885
169	0	0	20	30	21	68	0.29	0.43	0.31	880	760	880
173	0	0	20	30	21	68	0.29	0.43	0.31	874	765	874
176	0	0	19	29	20	68	0.29	0.43	0.30	869	765	869
180	0	0	20	29	20	68	0.29	0.43	0.30	860	760	860
184	0	0	20	29	21	67	0.29	0.43	0.31	870	770	870
187	0	0	19	29	20	67	0.29	0.43	0.30	857	770	857
191	0	0	19	28	19	66	0.29	0.42	0.29	844	760	844
194	0	0	20	28	19	66	0.30	0.42	0.29	854	760	854
198	0	0	19	28	19	65	0.29	0.42	0.29	844	770	844
202	0	0	19	28	19	64	0.30	0.44	0.29	829	770	829
205	0	0	20	28	19	65	0.30	0.42	0.29	851	760	851
209	0	0	19	27	19	65	0.29	0.41	0.29	854	770	854
212	0	0	19	28	20	66	0.29	0.42	0.30	865	755	865
216	0	0	19	29	20	67	0.29	0.43	0.30	867	760	867
220	0	0	20	30	23	69	0.29	0.44	0.33	889	760	889
223	0	0	21	31	25	71	0.29	0.43	0.35	925	760	925
227	2	0	21	32	25	73	0.29	0.44	0.34	908	760	908
230	3	0	23	33	25	74	0.31	0.45	0.34	884	760	884
234	33	0	23	34	26	7	0.31	0.46	0.35	881	760	881
C6B516 :												
90	0	0	17	22	16	55	0.31	0.39	0.29	806	720	806
94	0	0	17	24	16	58	0.30	0.41	0.28	809	700	809
97	0	0	18	25	17	61	0.30	0.41	0.29	827	700	827
101	0	0	18	25	17	60	0.30	0.41	0.28	821	700	821

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
104	0	0	17	20	14	52	0.32	0.39	0.28	752	580	752
108	0	0	16	20	15	54	0.31	0.37	0.28	766	580	766
112	0	0	17	21	15	53	0.31	0.39	0.29	777	580	777
115	0	0	15	21	15	49	0.31	0.38	0.30	746	580	746
119	0	0	17	18	16	57	0.30	0.39	0.28	801	580	801
122	0	0	17	22	15	54	0.32	0.39	0.29	780	580	780
126	0	0	16	21	16	49	0.32	0.36	0.28	712	540	712
130	0	0	16	17	15	51	0.31	0.37	0.28	745	580	745
133	0	0	17	19	14	56	0.31	0.38	0.28	792	580	792
137	0	0	16	21	14	51	0.31	0.36	0.27	720	580	720
151	0	0	17	20	15	54	0.31	0.37	0.27	767	620	767
155	0	0	18	22	16	58	0.32	0.38	0.27	798	620	798
158	0	0	16	17	13	50	0.31	0.35	0.26	701	580	701
162	0	0	16	18	14	52	0.31	0.35	0.27	730	580	730
166	0	0	16	18	14	50	0.33	0.37	0.27	729	580	729
169	0	0	18	21	16	57	0.32	0.38	0.27	790	580	790
173	0	0	17	20	15	55	0.32	0.37	0.28	780	580	780
176	0	0	17	20	15	54	0.32	0.36	0.28	768	580	768
180	0	0	17	20	15	55	0.31	0.36	0.28	773	580	773
184	0	0	17	20	15	55	0.32	0.37	0.27	769	550	769
187	0	0	13	17	11	48	0.27	0.35	0.24	646	550	646
191	0	0	13	17	12	52	0.26	0.33	0.24	672	550	672
194	0	0	15	19	14	58	0.26	0.33	0.24	738	550	738
198	0	0	17	20	16	53	0.32	0.38	0.30	794	550	794
202	0	0	17	21	16	54	0.32	0.38	0.31	807	550	807
205	0	0	14	17	13	47	0.30	0.37	0.28	705	550	705
209	0	0	18	21	17	54	0.33	0.40	0.32	826	550	826
212	0	0	18	22	17	54	0.33	0.40	0.32	828	550	828
216	0	0	18	22	17	54	0.33	0.41	0.32	827	550	827
220	0	0	18	21	17	53	0.34	0.40	0.33	830	550	830
223	0	0	17	20	15	50	0.33	0.40	0.30	770	550	770
227	0	0	19	24	18	59	0.32	0.41	0.30	840	600	840
230	0	0	20	26	20	63	0.31	0.41	0.31	872	600	872
234	0	0	20	24	18	59	0.33	0.40	0.30	849	600	849
238	0	0	18	22	16	57	0.32	0.39	0.29	811	600	811
241	0	0	16	20	15	55	0.29	0.36	0.27	770	600	770
C68B50 :												
227	0	0	20	30	24	68	0.29	0.44	0.35		480	0
230	0	0	18	27	22	63	0.29	0.43	0.35		480	0
234	0	0	20	31	25	73	0.28	0.43	0.36		480	0
238	0	0	20	31	26	71	0.28	0.44	0.36		470	0
241	0	0	20	33	25	71	0.28	0.46	0.36		470	0
245	0	0	20	31	25	70	0.28	0.44	0.36		470	0
248	0	0	20	31	25	70	0.28	0.44	0.35		470	0
252	0	0	20	31	24	71	0.28	0.44	0.35		470	0
256	0	0	20	31	25	70	0.29	0.44	0.35		470	0
259	0	0	20	30	25	70	0.28	0.43	0.35		460	0
263	0	0	20	30	24	69	0.29	0.43	0.36		460	0
266	0	0	20	29	25	69	0.29	0.44	0.35		460	0
270	0	0	20	30	24	68	0.29	0.44	0.36		460	0
274	0	0	19	30	24	68	0.28	0.43	0.36		460	0
277	0	0	20	30	24	68	0.29	0.44	0.35		460	0
281	0	0	20	30	24	67	0.30	0.44	0.36		460	0
284	0	0	20	30	24	68	0.29	0.44	0.35		440	0

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
288	0	0	20	30	24	68	0.30	0.44	0.35		420	0
292	0	0	20	29	24	67	0.30	0.44	0.36		420	0
295	0	0	20	30	24	68	0.30	0.44	0.35		440	0
299	0	0	20	29	24	68	0.30	0.43	0.36		460	0
302	0	0	21	29	24	68	0.30	0.43	0.36		480	0
306	0	0	20	30	24	68	0.29	0.45	0.35		500	0
310	0	0	21	30	24	67	0.31	0.44	0.35		500	0
313	0	0	20	30	23	66	0.31	0.45	0.36		500	0
317	0	0	20	30	24	66	0.31	0.45	0.36		480	0
320	0	0	20	30	24	65	0.31	0.46	0.36		480	0
324	0	0	20	30	24	66	0.31	0.46	0.35		480	0
328	0	0	20	31	24	68	0.29	0.46	0.36		460	0
331	0	0	20	32	25	70	0.29	0.46	0.35		460	0
335	0	0	20	31	24	69	0.29	0.46	0.35		460	0
338	0	0	19	27	21	69	0.32	0.44	0.35		460	0
342	0	0	19	29	24	65	0.30	0.45	0.36		460	0
346	0	0	19	30	24	66	0.29	0.46	0.36		460	0
349	1	0	20	31	24	68	0.29	0.46	0.36		460	0
353	0	0	20	31	24	68	0.30	0.46	0.36		460	0
356	0	0	19	28	22	62	0.31	0.45	0.35		460	0
360	0	0	20	29	24	66	0.30	0.45	0.36		460	0
C68B63 :												
227	0	0	15	21	15	56	0.27	0.37	0.27	781	600	781
230	0	0	15	19	15	55	0.28	0.34	0.27	758	550	758
234	0	0	15	18	14	53	0.27	0.34	0.26	733	540	733
238	0	0	18	22	16	59	0.30	0.37	0.28	809	540	809
241	0	0	16	21	15	52	0.31	0.40	0.29	773	540	773
245	0	0	13	18	13	45	0.30	0.40	0.30	714	540	714
248	0	0	17	24	17	56	0.31	0.44	0.31	824	545	824
252	0	0	16	20	15	55	0.28	0.36	0.27	774	560	774
281	0	0	17	21	15	52	0.32	0.40	0.29	770	540	770
284	0	0	17	20	15	59	0.29	0.34	0.25	770	540	770
288	0	0	16	20	14	57	0.27	0.35	0.25	762	540	762
292	0	0	16	19	14	55	0.29	0.35	0.26	746	540	746
295	0	0	15	18	14	53	0.29	0.34	0.26	725	540	725
299	0	0	12	17	12	42	0.30	0.42	0.28	656	540	656
302	0	0	12	17	12	43	0.29	0.39	0.28	654	540	654
306	0	0	12	18	12	45	0.27	0.39	0.28	679	550	679
310	0	0	17	20	15	58	0.29	0.35	0.26	782	550	782
313	0	0	17	22	16	56	0.31	0.39	0.29	803	550	803
317	0	0	17	22	16	53	0.33	0.41	0.30	795	560	795
320	0	0	18	22	17	56	0.31	0.39	0.29	816	560	816
324	0	0	18	22	16	55	0.32	0.39	0.30	812	560	812
328	0	0	18	21	16	56	0.31	0.38	0.28	799	540	799
331	0	0	17	22	16	54	0.32	0.41	0.30	806	540	806
335	0	0	17	21	16	56	0.31	0.38	0.29	804	540	804
338	0	0	18	21	15	54	0.32	0.38	0.28	780	500	780
342	0	0	18	22	16	56	0.32	0.39	0.29	804	500	804
346	0	0	18	22	16	57	0.32	0.38	0.28	805	480	805
349	0	0	19	23	18	57	0.32	0.41	0.31	840	480	840
353	0	0	15	18	14	48	0.32	0.38	0.29	733	480	733
356	0	0	18	20	16	56	0.32	0.36	0.28	792	480	792
360	0	0	18	22	17	58	0.32	0.38	0.30	838	480	838
C69205 :												

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
241	0	0	11	16	11	52	0.21	0.30	0.21	625	330	625
245	0	0	11	16	11	52	0.21	0.30	0.21	626	330	626
248	0	0	11	16	11	53	0.21	0.31	0.21	638	340	638
252	0	0	11	15	10	47	0.22	0.33	0.22	595	340	595
256	0	0	10	15	10	48	0.22	0.32	0.21	581	340	581
259	0	0	11	16	10	48	0.22	0.33	0.21	594	340	594
263	0	0	10	16	10	48	0.21	0.33	0.20	581	340	581
266	0	0	11	15	10	47	0.23	0.33	0.21	581	340	581
270	0	0	10	15	10	48	0.21	0.32	0.20	578	320	578
274	0	0	10	16	10	47	0.22	0.34	0.20	578	320	578
277	0	0	10	15	9	41	0.24	0.36	0.22	550	320	550
281	0	0	10	15	9	41	0.24	0.36	0.22	550	320	550
284	0	0	10	14	9	40	0.25	0.36	0.23	543	320	543
288	0	0	10	14	9	39	0.25	0.37	0.24	546	340	546
292	0	0	10	14	9	39	0.25	0.36	0.23	540	340	540
295	0	0	10	14	9	39	0.25	0.36	0.24	547	330	547
299	0	0	10	14	10	39	0.26	0.37	0.25	555	330	555
302	0	0	10	14	9	38	0.27	0.37	0.25	549	330	549
306	0	0	9	14	10	41	0.22	0.34	0.23	554	330	554
310	0	0	10	14	10	42	0.23	0.35	0.25	578	330	578
313	0	0	9	14	10	42	0.21	0.34	0.24	571	310	571
317	0	0	9	14	10	41	0.22	0.35	0.24	564	300	564
320	0	0	9	15	10	42	0.21	0.35	0.23	566	300	566
324	0	0	9	15	10	41	0.22	0.36	0.23	562	300	562
328	0	0	9	15	10	42	0.22	0.36	0.23	572	290	572
331	0	0	9	15	10	42	0.21	0.37	0.24	579	290	579
335	0	0	9	16	10	49	0.19	0.32	0.21	592	290	592
338	0	0	9	16	10	48	0.20	0.33	0.21	591	290	591
342	0	0	10	16	10	48	0.20	0.33	0.21	597	280	597
346	0	0	10	16	10	46	0.21	0.34	0.21	577	280	577
349	0	0	10	16	10	47	0.21	0.35	0.21	588	280	588
353	0	0	10	17	10	49	0.20	0.34	0.20	593	280	593
356	0	0	10	16	10	46	0.21	0.36	0.21	585	280	585
360	0	0	10	16	10	45	0.22	0.36	0.22	592	280	592
C69215 :												
216	0	0	13	20	11	57	0.23	0.35	0.20	674	465	674
220	0	0	12	20	11	60	0.20	0.33	0.19	677	460	677
223	0	0	13	19	11	58	0.22	0.33	0.19	665	460	665
227	0	0	13	19	11	65	0.20	0.30	0.17	678	460	678
230	0	0	14	19	11	61	0.23	0.31	0.18	669	460	669
234	0	0	14	19	12	59	0.25	0.33	0.20	683	460	683
238	0	0	15	20	12	60	0.24	0.33	0.20	688	460	688
241	0	0	14	20	12	60	0.24	0.33	0.20	700	470	700
245	0	0	13	19	12	52	0.25	0.37	0.23	680	450	680
248	0	0	13	19	12	54	0.25	0.36	0.22	683	460	683
252	0	0	14	20	12	50	0.28	0.39	0.24	678	475	678
256	0	0	14	20	12	51	0.27	0.40	0.24	685	465	685
259	0	0	14	20	12	52	0.26	0.39	0.23	685	465	685
263	0	0	14	20	12	52	0.26	0.38	0.23	677	470	677
266	0	0	14	19	12	53	0.26	0.37	0.22	674	470	674
270	0	0	14	19	12	51	0.27	0.38	0.23	668	475	668
274	0	0	14	19	12	52	0.26	0.37	0.22	672	475	672
277	0	0	14	19	12	50	0.28	0.38	0.24	676	480	676
281	0	0	14	20	12	52	0.27	0.38	0.22	668	480	668

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
284	0	0	14	19	12	49	0.29	0.38	0.24	676	480	676
288	0	0	15	19	12	53	0.28	0.35	0.23	689	480	689
292	0	0	15	19	12	52	0.29	0.37	0.23	678	475	678
295	0	0	16	20	12	53	0.30	0.38	0.23	692	470	692
299	0	0	16	21	12	54	0.29	0.38	0.23	696	470	696
302	0	0	16	22	12	54	0.30	0.40	0.23	693	470	693
306	0	0	16	22	12	55	0.30	0.40	0.22	688	470	688
310	0	0	16	23	12	55	0.30	0.41	0.22	684	470	684
313	0	0	17	22	12	55	0.30	0.40	0.22	696	470	696
317	0	0	17	22	12	55	0.30	0.41	0.22	691	470	691
320	0	0	17	21	13	54	0.31	0.39	0.23	706	470	706
324	0	0	16	21	12	55	0.30	0.38	0.23	699	475	699
328	0	0	16	21	12	54	0.30	0.40	0.22	688	475	688
331	0	0	17	22	12	58	0.29	0.38	0.20	682	470	682
335	0	0	17	22	12	57	0.30	0.39	0.21	678	465	678
C69217 :												
43	0	0	15	19	12	53	0.29	0.36	0.23	688	480	688
47	0	0	15	20	12	54	0.28	0.37	0.23	692	480	692
50	0	0	15	19	12	53	0.27	0.36	0.22	673	470	673
54	0	0	14	19	12	52	0.26	0.37	0.23	671	470	671
58	0	0	14	20	12	57	0.25	0.35	0.21	687	470	687
61	0	0	15	20	12	56	0.26	0.37	0.22	695	470	695
65	27	0	14	19	11	53	0.26	0.36	0.21	663	470	663
68	9	0	14	20	13	57	0.25	0.35	0.22	713	470	713
72	0	0	16	20	13	54	0.29	0.38	0.25	721	470	721
76	0	0	17	22	13	55	0.30	0.37	0.23	709	480	709
79	0	0	17	21	13	55	0.31	0.40	0.23	701	480	701
83	0	0	16	21	12	61	0.27	0.35	0.20	696	480	696
86	0	0	17	21	12	65	0.26	0.33	0.18	700	490	700
90	0	0	16	21	12	62	0.26	0.34	0.19	687	490	687
94	0	0	14	21	11	63	0.23	0.33	0.18	680	490	680
97	0	0	17	22	11	59	0.29	0.35	0.19	673	490	673
100	0	0	17	22	13	65	0.26	0.34	0.19	720	490	720
104	0	0	19	22	13	59	0.32	0.38	0.23	734	490	734
C69408 :												
72	0	0	14	16	12	44	0.32	0.37	0.29	667	430	667
76	0	0	19	25	18	58	0.33	0.43	0.30	830	430	830
79	0	0	19	25	18	60	0.32	0.42	0.30	836	430	836
83	0	0	20	26	18	61	0.32	0.42	0.30	850	430	850
86	0	0	20	26	18	62	0.32	0.42	0.30	845	430	845
90	0	0	19	26	19	61	0.32	0.42	0.30	852	420	852
94	0	0	19	25	19	61	0.31	0.41	0.30	855	410	855
97	0	0	19	24	18	60	0.32	0.40	0.29	836	430	836
202	0	0	19	22	17	57	0.34	0.39	0.29	821	480	821
205	0	0	20	22	17	58	0.34	0.38	0.29	818	480	818
209	0	0	19	23	18	57	0.34	0.41	0.31	848	490	848
212	0	0	19	24	17	58	0.32	0.41	0.30	832	490	832
216	0	0	19	24	17	58	0.32	0.41	0.30	832	490	832
220	0	0	17	19	15	49	0.34	0.39	0.30	757	490	757
223	0	0	19	23	17	57	0.34	0.40	0.29	819	490	819
227	0	0	20	23	17	59	0.33	0.40	0.29	824	490	824
230	0	0	19	25	18	60	0.31	0.41	0.30	851	490	851
234	0	0	19	24	17	57	0.33	0.41	0.31	833	510	833
C69567 :												

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
83	10	0	21	29	23	64	0.34	0.45	0.36	910	640	910
86	1	0	22	29	23	64	0.34	0.46	0.35	901	630	901
90	3	0	20	28	21	62	0.33	0.46	0.34	883	640	883
94	0	0	21	27	21	62	0.34	0.44	0.34	894	640	894
97	0	0	21	26	21	62	0.34	0.43	0.34	904	650	904
101	0	0	20	26	20	62	0.33	0.42	0.32	883	650	883
104	1	0	20	26	20	60	0.33	0.43	0.33	874	660	874
108	1	0	20	26	18	63	0.32	0.41	0.29	855	660	855
112	0	0	20	25	18	63	0.32	0.40	0.29	855	660	855
115	0	0	20	24	19	65	0.30	0.37	0.29	872	660	872
119	0	0	20	26	20	65	0.31	0.39	0.31	897	670	897
122	2	0	21	26	19	63	0.33	0.41	0.31	874	670	874
126	0	0	20	26	20	64	0.31	0.41	0.31	885	660	885
130	0	0	20	26	19	61	0.34	0.42	0.32	873	660	873
133	2	0	21	26	20	65	0.32	0.40	0.31	887	660	887
137	1	0	20	25	20	60	0.33	0.41	0.33	882	660	882
140	0	0	20	25	19	62	0.32	0.40	0.31	866	660	866
144	0	0	20	24	18	63	0.32	0.39	0.29	857	660	857
069694 :												
270	0	0	18	20	16	51	0.35	0.39	0.32	796	420	796
274	0	0	19	23	18	54	0.35	0.43	0.34	853	420	853
277	0	0	18	22	17	53	0.35	0.41	0.32	826	420	826
281	0	0	19	22	17	52	0.36	0.42	0.33	828	420	828
284	0	0	18	21	17	52	0.35	0.41	0.33	829	420	829
288	0	0	18	21	17	53	0.34	0.40	0.33	833	420	833
292	0	0	17	19	16	53	0.32	0.36	0.29	783	420	783
295	0	0	17	20	15	53	0.32	0.37	0.28	766	420	766
299	0	0	18	21	15	53	0.34	0.40	0.29	784	420	784
302	0	0	18	22	17	52	0.35	0.42	0.33	825	420	825
306	0	0	18	21	17	53	0.34	0.40	0.32	824	420	824
310	0	0	18	21	17	54	0.34	0.38	0.32	823	420	823
313	0	0	18	22	17	52	0.34	0.41	0.32	822	420	822
317	0	0	19	22	17	52	0.36	0.42	0.33	826	420	826
320	0	0	18	22	17	53	0.35	0.41	0.33	833	420	833
324	0	0	18	23	18	54	0.34	0.42	0.34	847	420	847
328	0	0	18	22	17	53	0.34	0.42	0.33	830	420	830
331	0	0	18	22	16	53	0.35	0.41	0.30	796	430	796
335	0	0	19	22	16	53	0.36	0.42	0.30	791	430	791
338	0	0	19	24	17	55	0.34	0.43	0.31	826	440	826
342	0	0	19	23	18	55	0.36	0.43	0.34	853	440	853
346	0	0	19	23	19	55	0.34	0.42	0.34	861	440	861
349	0	0	19	24	19	58	0.33	0.40	0.33	876	440	876
353	0	0	19	23	19	55	0.34	0.42	0.35	868	440	868
356	0	0	17	20	17	50	0.34	0.40	0.35	824	440	824
360	0	0	18	23	19	55	0.33	0.41	0.34	867	440	867
C69776 :												
252	0	0	14	17	12	46	0.30	0.37	0.27	676	430	676
256	0	0	14	17	12	45	0.30	0.38	0.28	672	420	672
259	0	0	13	17	12	45	0.30	0.38	0.28	677	420	677
263	0	0	14	17	12	46	0.30	0.37	0.27	677	420	677
266	0	0	13	17	12	44	0.31	0.39	0.28	669	420	669
270	0	0	13	17	12	48	0.28	0.36	0.25	672	420	672
274	0	0	13	18	12	50	0.27	0.36	0.24	673	420	673
277	0	0	13	17	12	51	0.26	0.34	0.24	667	420	667

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
281	0	0	13	17	12	46	0.29	0.37	0.26	655	420	655
284	0	0	11	16	10	42	0.28	0.38	0.25	600	420	600
288	0	0	13	17	12	45	0.29	0.37	0.26	651	420	651
292	0	0	13	17	12	45	0.30	0.38	0.27	657	420	657
295	0	0	13	17	12	45	0.29	0.38	0.26	650	420	650
299	0	0	13	17	12	45	0.29	0.38	0.26	652	420	652
302	0	0	14	18	12	46	0.29	0.38	0.25	653	420	653
306	0	0	13	17	12	46	0.29	0.37	0.25	658	420	658
310	0	0	13	17	11	49	0.26	0.35	0.23	647	420	647
313	0	0	13	19	12	50	0.27	0.38	0.24	674	420	674
317	0	0	13	17	12	45	0.29	0.37	0.26	648	420	648
320	0	0	14	17	12	46	0.30	0.38	0.26	667	420	667
324	0	0	12	17	11	42	0.29	0.40	0.27	641	420	641
328	0	0	13	17	12	44	0.29	0.38	0.26	646	420	646
331	0	0	15	17	12	46	0.32	0.38	0.27	677	420	677
335	0	0	16	17	12	47	0.33	0.36	0.27	677	420	677
338	0	0	16	17	12	47	0.33	0.36	0.27	675	420	675
342	0	0	16	17	13	49	0.33	0.36	0.26	692	420	692
346	0	0	16	18	13	52	0.31	0.35	0.25	699	420	699
349	0	0	16	18	13	52	0.32	0.35	0.26	715	420	715
353	0	0	17	19	14	52	0.32	0.37	0.27	740	420	740
356	0	0	16	19	14	50	0.33	0.38	0.28	729	420	729
360	0	0	16	20	14	50	0.33	0.40	0.28	742	420	742
C69792 :												
173	0	0	15	17	13	46	0.32	0.37	0.29	698	760	698
176	0	0	15	17	14	47	0.33	0.37	0.29	710	740	710
180	0	0	14	16	13	45	0.32	0.36	0.28	675	740	675
184	0	0	15	16	13	46	0.32	0.35	0.28	686	760	686
187	0	0	15	17	13	47	0.31	0.35	0.28	694	760	694
191	0	0	14	16	12	47	0.29	0.33	0.26	651	780	651
194	0	0	14	15	12	48	0.29	0.31	0.24	634	730	634
198	0	0	13	14	11	45	0.28	0.32	0.24	600	700	600
230	0	0	14	16	12	47	0.29	0.34	0.26	661	530	661
234	0	0	14	16	13	46	0.31	0.35	0.27	670	520	670
238	0	0	14	16	12	45	0.31	0.35	0.28	661	520	661
241	0	0	13	15	11	47	0.27	0.32	0.24	620	520	620
245	0	0	14	15	12	47	0.30	0.33	0.26	644	500	644
248	0	0	14	16	12	47	0.29	0.33	0.26	649	470	649
252	0	0	13	16	12	51	0.26	0.31	0.23	649	470	649
256	0	0	13	15	11	46	0.29	0.32	0.25	623	450	623
259	0	0	14	15	11	47	0.29	0.33	0.24	627	440	627
263	0	0	13	15	11	44	0.30	0.34	0.25	620	440	620
266	0	0	13	15	11	46	0.29	0.33	0.24	612	450	612
270	0	0	12	14	10	44	0.28	0.32	0.23	581	450	581
274	0	0	13	15	11	45	0.28	0.33	0.25	617	430	617
277	0	0	13	15	11	43	0.30	0.34	0.26	609	420	609
281	0	0	13	15	11	44	0.29	0.33	0.25	606	360	606
284	0	0	13	15	11	45	0.29	0.33	0.25	618	360	618
288	0	0	14	15	12	43	0.32	0.34	0.27	626	370	626
292	0	0	14	15	12	43	0.32	0.35	0.27	630	390	630
295	0	0	14	15	12	42	0.32	0.34	0.28	624	420	624
299	0	0	14	15	12	43	0.32	0.34	0.28	642	420	642
302	0	0	14	15	12	43	0.32	0.35	0.28	636	420	636
306	0	0	14	15	12	44	0.32	0.34	0.27	638	430	638

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
310	0	0	14	15	12	42	0.33	0.36	0.29	638	440	638
313	0	0	14	15	12	42	0.33	0.36	0.28	636	440	636
317	0	0	14	15	11	42	0.34	0.35	0.27	621	450	621
320	0	0	14	15	12	42	0.34	0.36	0.28	640	450	640
324	0	0	14	15	12	43	0.34	0.35	0.29	652	470	652
328	0	0	15	15	13	43	0.34	0.36	0.30	669	470	669
331	0	0	15	16	14	45	0.33	0.36	0.30	699	450	699
335	0	0	15	16	14	44	0.35	0.37	0.31	703	450	703
338	0	0	14	16	14	43	0.34	0.38	0.31	703	460	703
342	0	0	14	16	12	43	0.32	0.37	0.29	660	440	660
346	0	0	15	17	14	45	0.33	0.38	0.31	712	440	712
349	0	0	15	17	14	46	0.33	0.38	0.31	723	420	723
353	0	0	15	18	13	46	0.32	0.40	0.29	711	420	711
356	0	0	15	18	13	45	0.34	0.40	0.29	707	410	707
360	0	0	15	18	13	46	0.33	0.39	0.29	709	420	709
C69795 :												
58	0	0	19	23	21	61	0.31	0.38	0.35	912	340	912
61	0	0	18	22	20	59	0.31	0.38	0.34	886	340	886
65	0	0	17	22	20	60	0.29	0.37	0.34	899	340	899
68	0	0	18	23	21	62	0.30	0.37	0.34	909	320	909
72	0	0	18	24	21	64	0.28	0.38	0.33	913	340	913
76	0	0	17	24	21	59	0.29	0.41	0.35	904	350	904
79	0	0	17	23	19	60	0.29	0.38	0.31	870	340	870
83	0	0	17	23	20	62	0.27	0.38	0.33	895	340	895
86	0	0	17	24	19	59	0.29	0.40	0.32	870	360	870
90	0	0	18	24	20	58	0.30	0.41	0.34	883	360	883
94	0	0	18	25	21	59	0.31	0.43	0.36	909	360	909
252	0	0	18	24	21	58	0.32	0.42	0.36	902	360	902
256	0	0	18	27	21	57	0.32	0.47	0.37	895	380	895
259	0	0	18	29	22	60	0.30	0.48	0.36	886	370	886
263	0	0	19	28	22	60	0.31	0.46	0.36	900	360	900
266	0	0	18	27	22	60	0.31	0.45	0.36	903	350	903
270	0	0	18	25	21	59	0.31	0.42	0.36	906	350	906
274	0	0	18	26	22	60	0.30	0.43	0.36	913	330	913
277	0	0	18	27	22	62	0.30	0.44	0.35	907	350	907
281	0	0	17	26	21	61	0.28	0.42	0.35	907	340	907
284	0	0	16	23	18	57	0.28	0.39	0.32	851	330	851
C69796 :												
155	0	0	20	30	24	67	0.30	0.45	0.36	914	430	914
158	0	0	21	32	25	70	0.30	0.46	0.36	905	400	905
162	0	0	21	32	25	69	0.30	0.46	0.36	904	400	904
166	0	0	20	28	22	61	0.33	0.47	0.36	897	410	897
169	0	0	21	33	24	67	0.31	0.49	0.36	870	430	870
173	0	0	21	32	24	67	0.31	0.48	0.36	878	450	878
176	0	0	20	29	22	63	0.32	0.46	0.35	891	450	891
180	0	0	20	27	21	63	0.31	0.42	0.34	900	450	900
184	0	0	19	25	21	60	0.32	0.42	0.35	896	450	896
187	0	0	19	25	21	56	0.35	0.44	0.38	905	430	905
191	0	0	20	28	24	63	0.31	0.45	0.38	928	440	928
194	0	0	19	27	21	62	0.30	0.43	0.35	906	440	906
198	0	0	19	26	23	60	0.32	0.44	0.38	925	440	925
202	0	0	18	22	19	57	0.31	0.39	0.33	866	440	866
205	0	0	18	23	20	59	0.31	0.40	0.34	888	420	888
209	0	0	19	26	22	62	0.30	0.42	0.36	922	390	922

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD			500/	EST.	MEAS.	NORM.
						BAND	270/	370/				
							BBAND	BBAND	BBAND	PEEL	PEEL	PEEL
212	0	0	19	27	21	63	0.30	0.43	0.34	903	380	903
216	0	0	18	27	22	61	0.30	0.45	0.36	910	380	910
220	0	0	18	28	23	61	0.30	0.46	0.38	921	370	921
223	0	0	19	27	22	60	0.32	0.44	0.36	911	360	911
227	0	0	19	29	23	63	0.30	0.46	0.37	907	360	907
230	0	0	20	31	25	67	0.29	0.46	0.37	919	360	919
234	0	0	19	28	23	62	0.30	0.45	0.37	917	360	917
238	0	0	18	27	22	59	0.31	0.46	0.38	913	370	913
C69820 :												
83	0	0	9	14	10	48	0.19	0.30	0.21	567	770	567
86	0	0	12	15	10	50	0.24	0.30	0.20	587	760	587
90	0	0	12	15	10	49	0.24	0.30	0.20	581	750	581
94	0	0	11	15	10	52	0.22	0.29	0.20	598	750	598
97	0	0	10	15	10	51	0.20	0.29	0.20	583	750	583
101	0	0	9	15	10	49	0.18	0.30	0.20	583	750	583
104	0	0	9	15	10	51	0.19	0.29	0.20	590	750	590
108	0	0	11	15	11	50	0.22	0.30	0.21	601	750	601
112	0	0	13	15	11	48	0.27	0.31	0.23	614	750	614
115	0	0	10	15	10	51	0.20	0.29	0.20	591	750	591
119	0	0	8	14	9	45	0.17	0.32	0.21	557	750	557
122	0	0	7	14	10	41	0.18	0.34	0.24	546	750	546
126	0	0	8	15	10	45	0.17	0.32	0.22	581	750	581
130	0	0	9	15	10	51	0.17	0.29	0.20	600	750	600
133	0	0	9	14	10	51	0.19	0.28	0.21	589	750	589
137	0	0	8	14	10	49	0.17	0.28	0.21	579	750	579
140	0	0	8	14	10	47	0.17	0.29	0.22	572	750	572
144	0	0	7	13	10	41	0.16	0.32	0.23	530	750	530
252	0	0	11	15	11	43	0.26	0.34	0.25	601	820	601
256	0	0	11	15	11	42	0.27	0.35	0.27	611	820	611
259	0	0	10	14	10	40	0.26	0.35	0.26	574	820	574
263	0	0	11	15	11	41	0.27	0.36	0.27	599	820	599
266	0	0	8	12	8	36	0.23	0.35	0.23	482	820	482
270	0	0	11	15	11	45	0.24	0.34	0.25	619	820	619
274	0	0	11	15	12	42	0.27	0.37	0.28	641	800	641
277	0	0	8	13	9	39	0.21	0.33	0.23	507	800	507
281	0	0	9	14	11	47	0.19	0.30	0.23	602	790	602
284	0	0	7	13	9	41	0.18	0.32	0.23	525	780	525
288	0	0	7	12	9	38	0.18	0.32	0.23	496	760	496
292	0	0	11	14	11	44	0.24	0.31	0.25	596	750	596
295	0	0	11	15	12	43	0.26	0.35	0.27	628	740	628
299	0	0	10	14	10	42	0.23	0.33	0.23	551	730	551
302	0	0	8	13	9	40	0.21	0.33	0.21	502	720	502
306	0	0	8	12	9	39	0.22	0.31	0.23	497	710	497
310	0	0	10	14	11	44	0.22	0.31	0.25	590	710	590
313	0	0	10	14	11	46	0.22	0.29	0.24	587	710	587
317	0	0	9	14	10	46	0.19	0.29	0.22	568	700	568
320	0	0	11	14	11	46	0.23	0.31	0.24	600	700	600
324	0	0	11	14	11	42	0.25	0.33	0.25	585	700	585
328	0	0	10	14	11	43	0.24	0.33	0.25	583	700	583
331	0	0	11	14	11	44	0.25	0.33	0.24	590	700	590
335	0	0	11	15	10	45	0.25	0.33	0.24	589	710	589
338	0	0	11	14	11	43	0.26	0.34	0.25	588	760	588
342	0	0	11	14	11	42	0.25	0.33	0.25	582	800	582
346	0	0	10	14	10	46	0.23	0.30	0.22	568	830	568

NORM.

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	EST. PEEL
349	0	0	9	15	10	46	0.20	0.32	0.21	573	840	573
353	0	0	8	14	9	45	0.19	0.31	0.21	541	840	541
356	0	0	8	14	9	42	0.18	0.33	0.22	528	900	528
360	0	0	9	14	9	45	0.19	0.31	0.21	545	950	545
C69821 :												
47	0	0	17	17	14	53	0.33	0.33	0.26	722	780	722
50	0	0	16	17	14	49	0.33	0.34	0.28	708	770	708
54	0	0	16	17	14	50	0.32	0.34	0.27	711	750	711
58	0	0	15	17	13	52	0.29	0.32	0.24	688	740	688
61	0	0	12	16	11	53	0.24	0.30	0.22	641	730	641
65	0	0	9	14	10	45	0.19	0.31	0.22	559	750	559
68	0	0	9	13	9	37	0.24	0.35	0.25	512	740	512
72	0	0	8	10	7	29	0.27	0.36	0.24	386	720	386
76	0	0	6	12	8	33	0.19	0.36	0.24	457	720	457
79	0	0	9	13	10	39	0.24	0.34	0.26	564	740	564
126	0	0	11	14	10	37	0.30	0.37	0.28	570	920	570
130	0	0	15	16	12	45	0.33	0.36	0.27	659	920	659
133	0	0	14	16	12	46	0.31	0.35	0.26	657	920	657
137	0	0	15	16	13	44	0.33	0.37	0.29	670	910	670
140	0	0	15	16	13	46	0.33	0.35	0.28	681	900	681
144	0	0	15	16	13	44	0.34	0.36	0.29	673	880	673
281	0	0	9	12	9	44	0.20	0.27	0.21	501	750	501
284	0	0	14	17	12	50	0.29	0.33	0.25	674	740	674
288	0	0	15	17	13	48	0.31	0.36	0.26	683	740	683
292	0	0	15	18	13	48	0.31	0.37	0.27	694	740	694
295	0	0	15	18	13	48	0.31	0.37	0.27	698	740	698
299	0	0	15	18	13	48	0.32	0.38	0.28	713	740	713
302	0	0	16	19	13	50	0.32	0.39	0.27	722	740	722
306	0	0	15	19	13	49	0.32	0.39	0.27	708	740	708
310	0	0	16	19	13	48	0.32	0.38	0.27	710	740	710
313	0	0	15	18	13	48	0.32	0.38	0.27	703	740	703
317	0	0	14	16	13	44	0.33	0.36	0.29	670	740	670
320	0	0	16	18	13	48	0.33	0.38	0.27	702	740	702
324	0	0	15	17	13	47	0.33	0.36	0.27	681	740	681
328	0	0	15	17	12	48	0.31	0.36	0.26	679	730	679
331	0	0	13	16	12	50	0.25	0.31	0.23	643	730	643
335	0	0	16	17	13	51	0.31	0.34	0.25	689	730	689
338	0	0	16	17	13	51	0.32	0.33	0.25	683	730	683
342	0	0	16	17	13	50	0.32	0.34	0.26	696	730	696
346	0	0	16	17	13	52	0.31	0.33	0.26	709	730	709
349	0	0	16	17	13	53	0.30	0.32	0.24	682	730	682
353	0	0	15	16	13	47	0.32	0.34	0.27	673	730	673
356	0	0	16	17	13	49	0.33	0.35	0.28	701	730	701
360	0	0	16	17	14	49	0.33	0.34	0.28	717	730	717
C69822 :												
115	0	0	14	16	13	45	0.32	0.36	0.28	673	970	673
119	0	0	13	15	12	46	0.29	0.34	0.26	642	970	642
122	0	0	14	17	13	45	0.32	0.37	0.28	676	980	676
126	0	0	14	16	13	45	0.32	0.37	0.28	677	1020	677
130	0	0	14	16	13	44	0.31	0.36	0.28	674	1040	674
133	0	0	14	16	12	44	0.31	0.36	0.28	669	970	669
137	0	0	14	17	13	45	0.32	0.37	0.29	684	950	684
140	0	0	14	16	12	44	0.31	0.37	0.28	669	940	669
144	0	0	14	16	13	45	0.32	0.37	0.28	677	930	677

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
148	0	0	14	16	13	43	0.32	0.37	0.29	668	930	668
151	0	0	14	16	12	43	0.32	0.37	0.29	659	930	659
155	0	0	13	15	11	44	0.30	0.34	0.26	622	940	622
158	0	0	14	16	12	43	0.32	0.37	0.28	644	940	644
162	0	0	14	16	12	43	0.32	0.36	0.29	659	960	659
166	0	0	14	17	13	46	0.30	0.37	0.27	682	960	682
169	0	0	14	16	13	45	0.30	0.36	0.28	673	930	673
173	0	0	14	16	12	44	0.31	0.36	0.28	659	870	659
176	0	0	14	15	12	43	0.32	0.36	0.28	645	850	645
180	0	0	13	15	12	43	0.31	0.36	0.28	642	830	642
184	0	0	13	15	12	42	0.32	0.36	0.28	633	820	633
187	0	0	13	14	11	40	0.32	0.36	0.28	608	820	608
191	0	0	13	14	11	39	0.33	0.37	0.29	611	810	611
194	0	0	13	15	11	40	0.32	0.36	0.28	617	810	617
198	0	0	12	14	11	39	0.31	0.37	0.29	606	800	606
202	0	0	12	14	11	43	0.28	0.34	0.26	602	790	602
205	0	0	12	14	11	43	0.29	0.33	0.26	600	790	600
209	0	0	12	14	11	45	0.26	0.32	0.23	588	780	588
212	0	0	11	14	11	41	0.28	0.35	0.26	587	770	587
216	0	0	13	15	11	40	0.31	0.37	0.28	613	750	613
220	0	0	13	15	11	41	0.32	0.36	0.28	617	750	617
223	0	0	11	14	11	41	0.28	0.35	0.27	589	740	589
227	0	0	11	14	11	44	0.24	0.31	0.24	585	740	585
230	0	0	11	14	11	41	0.27	0.34	0.27	599	740	599
234	0	0	11	14	11	42	0.26	0.34	0.26	601	740	601
238	0	0	11	14	11	45	0.25	0.32	0.25	610	740	610
241	0	0	12	15	12	43	0.28	0.34	0.27	626	740	626
245	0	0	13	15	12	43	0.31	0.35	0.28	644	750	644
248	0	0	14	15	12	43	0.33	0.36	0.29	659	740	659
252	0	0	15	15	12	43	0.34	0.36	0.29	658	740	658
256	0	0	13	15	12	41	0.32	0.37	0.28	631	740	631
259	0	0	14	15	12	41	0.35	0.38	0.28	630	740	630
263	0	0	15	16	12	42	0.36	0.37	0.28	648	740	648
266	0	0	17	17	13	47	0.36	0.37	0.28	705	740	705
270	0	0	16	17	13	47	0.35	0.37	0.28	696	750	696

C610303 :

148	0	0	19	28	23	67	0.28	0.42	0.34	927	718	927
151	0	0	19	29	24	68	0.28	0.42	0.35	929	700	929
155	0	0	19	27	22	64	0.29	0.42	0.34	912	690	912
158	0	0	17	23	18	56	0.31	0.41	0.33	854	700	854
162	0	0	19	28	22	64	0.30	0.44	0.35	907	710	907
166	0	0	19	28	22	63	0.30	0.44	0.35	905	700	905
169	0	0	18	28	22	64	0.28	0.44	0.34	897	675	897
173	0	0	18	28	21	62	0.28	0.44	0.34	894	680	894
176	0	0	18	27	21	62	0.29	0.44	0.34	897	700	897
180	0	0	18	27	21	61	0.30	0.44	0.35	894	710	894
184	0	0	18	25	20	60	0.30	0.43	0.34	890	700	890
187	0	0	19	26	22	62	0.30	0.42	0.35	916	695	916
191	0	0	18	26	22	60	0.31	0.44	0.36	909	695	909
194	0	0	18	24	19	56	0.32	0.44	0.34	866	700	866
198	0	0	18	26	21	58	0.31	0.44	0.37	909	700	909
202	0	0	18	27	22	60	0.30	0.45	0.36	905	680	905
205	0	0	18	26	20	59	0.31	0.44	0.35	886	695	886
209	0	0	18	27	21	60	0.30	0.45	0.35	893	690	893

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
212	0	0	19	28	22	62	0.31	0.45	0.36	901	700	901
216	0	0	20	29	23	65	0.31	0.44	0.35	916	700	916
220	0	0	20	28	23	65	0.30	0.43	0.35	919	700	919
223	0	0	20	29	23	66	0.30	0.44	0.35	920	680	920
227	0	0	20	28	23	67	0.30	0.42	0.34	924	675	924
230	0	0	19	28	23	66	0.29	0.42	0.35	926	675	926
234	0	0	20	28	23	68	0.29	0.42	0.34	925	680	925
238	0	0	19	29	23	67	0.29	0.43	0.35	922	678	922
241	0	0	19	28	22	66	0.30	0.43	0.34	914	670	914
245	0	0	20	28	22	66	0.30	0.43	0.33	902	660	902
248	0	0	19	25	20	59	0.32	0.43	0.34	889	660	889
252	0	0	20	27	22	64	0.31	0.42	0.34	909	660	909
256	0	0	20	28	23	65	0.31	0.44	0.36	922	663	922
259	0	0	20	30	24	66	0.30	0.45	0.36	923	668	923
263	0	0	20	30	25	68	0.29	0.44	0.36	932	670	932
266	0	0	19	27	22	62	0.31	0.43	0.36	915	675	915
270	0	0	18	24	20	57	0.32	0.42	0.35	888	680	888
D610675 :												
61	0	0	19	21	14	57	0.33	0.37	0.24	738	780	738
65	0	0	21	24	15	64	0.33	0.37	0.24	794	780	794
68	0	0	21	24	16	65	0.32	0.38	0.25	805	780	805
72	0	0	21	25	16	65	0.33	0.39	0.25	804	780	804
76	0	0	21	25	16	65	0.32	0.38	0.25	810	780	810
79	0	0	21	25	16	65	0.32	0.38	0.25	810	790	810
83	0	0	22	25	17	66	0.33	0.38	0.25	819	790	819
86	0	0	21	25	17	65	0.33	0.39	0.26	819	800	819
90	0	0	20	24	16	62	0.31	0.39	0.26	801	800	801
D610706 :												
90	0	0	14	16	12	45	0.30	0.35	0.27	656	760	656
94	0	0	13	15	12	43	0.30	0.34	0.27	622	750	622
97	0	0	12	14	11	40	0.30	0.35	0.27	583	750	583
101	0	0	12	14	11	39	0.30	0.34	0.27	582	750	582
104	0	0	13	15	12	43	0.30	0.34	0.27	622	740	622
108	0	0	13	15	12	44	0.30	0.34	0.27	634	750	634
241	0	0	13	14	11	42	0.30	0.34	0.27	616	860	616
245	0	0	13	14	12	43	0.31	0.34	0.27	618	860	618
248	0	0	14	15	12	45	0.30	0.34	0.27	642	860	642
252	0	0	14	15	12	45	0.30	0.34	0.26	644	860	644
256	0	0	14	15	12	44	0.31	0.34	0.27	642	850	642
259	0	0	13	15	12	45	0.29	0.34	0.27	648	850	648
263	0	0	14	16	12	46	0.30	0.35	0.26	654	830	654
266	0	0	14	16	13	46	0.30	0.35	0.27	668	830	668
270	0	0	14	16	13	47	0.30	0.34	0.27	671	830	671
D611357 :												
90	0	0	14	14	12	47	0.29	0.31	0.26	635	600	635
94	0	0	14	15	12	40	0.35	0.38	0.31	651	600	651
97	0	0	15	17	13	44	0.33	0.38	0.30	692	600	692
101	0	0	14	16	13	42	0.34	0.39	0.31	695	600	695
104	0	0	14	17	14	43	0.33	0.40	0.32	725	600	725
108	0	0	15	19	14	46	0.33	0.41	0.32	747	600	747
112	0	0	16	20	15	47	0.34	0.41	0.31	753	600	753
115	0	0	15	19	14	47	0.33	0.41	0.30	741	580	741
119	0	0	14	17	13	47	0.29	0.35	0.28	688	580	688
122	0	0	15	17	13	44	0.34	0.40	0.31	707		707

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND			
126	0	0	16	19	14	46	0.34	0.42	0.30	736		736
130	0	0	15	17	13	44	0.35	0.40	0.31	710		710
133	0	0	15	17	13	44	0.35	0.39	0.30	704		704
137	0	0	15	16	13	45	0.33	0.35	0.28	668	570	668
140	0	0	15	17	13	44	0.33	0.38	0.29	688	570	688
144	0	0	14	15	12	43	0.32	0.35	0.29	651	570	651
148	0	0	15	18	14	45	0.34	0.39	0.30	716	570	716
151	0	0	16	19	15	48	0.34	0.40	0.31	757	570	757
155	0	0	18	22	16	53	0.34	0.42	0.30	792	570	792
158	0	0	18	24	17	58	0.32	0.41	0.29	814	570	814
162	0	0	18	23	16	56	0.32	0.40	0.29	798	570	798
166	0	0	17	21	16	52	0.33	0.40	0.30	786	570	786
169	0	0	17	21	15	51	0.33	0.41	0.30	773	570	773
173	0	0	16	20	15	49	0.34	0.40	0.30	762	570	762
176	0	0	16	19	15	48	0.34	0.40	0.31	752	570	752
180	0	0	16	18	14	46	0.35	0.40	0.32	744	570	744
184	0	0	16	19	15	47	0.34	0.41	0.31	752	570	752
187	0	0	15	19	14	45	0.35	0.42	0.32	743	570	743
191	0	0	15	18	14	44	0.35	0.40	0.31	721	570	721
194	0	0	15	17	14	44	0.35	0.40	0.31	717	570	717
198	0	0	15	16	13	42	0.36	0.40	0.32	697	570	697
202	0	0	15	17	13	43	0.35	0.39	0.31	705	570	705
205	0	0	15	16	13	45	0.34	0.37	0.30	695	570	695
209	0	0	15	15	13	48	0.30	0.31	0.27	667	570	667
212	0	0	14	15	13	43	0.33	0.36	0.30	678	570	678
216	0	0	14	16	13	45	0.32	0.35	0.29	678	570	678
220	0	0	14	15	12	44	0.31	0.35	0.28	656	580	656
223	0	0	16	16	13	47	0.33	0.35	0.29	695	580	695
227	0	0	16	16	13	51	0.31	0.31	0.26	689		689
230	0	0	15	15	13	44	0.33	0.35	0.29	670		670
234	0	0	15	16	13	44	0.35	0.36	0.29	675	580	675
238	0	0	16	16	13	50	0.32	0.32	0.26	682	580	682
241	0	0	10	13	11	38	0.27	0.34	0.28	564	580	564
245	0	0	14	14	13	45	0.30	0.31	0.28	643	580	643
248	0	0	14	13	11	44	0.31	0.30	0.25	577	580	577
252	0	0	15	16	13	42	0.35	0.37	0.30	679	580	679
256	0	0	14	16	13	41	0.35	0.38	0.31	677	580	677
259	0	0	15	15	13	45	0.33	0.33	0.29	663	580	663
263	0	0	15	15	13	50	0.31	0.29	0.26	658	580	658
266	0	0	16	15	13	46	0.33	0.33	0.28	677	580	677
270	0	0	14	15	12	46	0.30	0.32	0.27	637	580	637
274	0	0	13	14	12	43	0.30	0.33	0.28	628	580	628
277	0	0	15	16	13	43	0.35	0.36	0.30	678	580	678
281	0	0	15	15	13	43	0.35	0.36	0.30	675	580	675
284	0	0	15	15	13	44	0.34	0.34	0.28	654	580	654
288	0	0	14	14	12	48	0.30	0.29	0.25	613	580	613
D611844 :												
166	0	0	14	16	13	44	0.31	0.36	0.29	670	860	670
169	0	0	14	15	12	43	0.32	0.35	0.28	647	800	647
173	0	0	13	15	12	42	0.32	0.35	0.29	640	800	640
176	0	0	12	14	11	42	0.30	0.33	0.27	591	800	591
180	0	0	12	13	10	44	0.27	0.30	0.24	566	800	566
184	0	0	12	14	11	47	0.26	0.29	0.23	582	800	582
187	0	0	8	13	9	41	0.20	0.31	0.23	516	800	516

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
191	0	0	9	12	9	39	0.22	0.31	0.23	496	800	496
194	0	0	9	13	9	42	0.21	0.30	0.22	519	800	519
198	0	0	10	13	10	47	0.22	0.27	0.20	537	800	537
202	0	0	10	13	10	47	0.22	0.29	0.21	555	800	555
205	0	0	11	14	10	47	0.23	0.29	0.22	563	780	563
209	0	0	11	13	10	46	0.23	0.29	0.22	556	780	556
212	0	0	12	13	11	44	0.28	0.30	0.24	575	780	575
216	0	0	13	14	11	42	0.31	0.33	0.26	591	780	591
220	0	0	13	14	12	40	0.34	0.35	0.29	616	780	616
223	0	0	14	16	13	45	0.31	0.35	0.28	668	780	668
227	0	0	14	16	13	47	0.30	0.35	0.28	684	780	684
230	0	0	14	17	13	47	0.30	0.35	0.28	694	780	694
234	0	0	14	16	13	47	0.31	0.35	0.28	686	780	686
238	0	0	14	16	13	47	0.31	0.35	0.28	693	780	693
241	0	0	14	16	13	46	0.29	0.35	0.28	683	780	683
245	0	0	14	16	12	44	0.31	0.36	0.27	656	780	656
248	0	0	13	15	11	45	0.30	0.33	0.25	620	780	620
252	0	0	13	15	12	45	0.29	0.33	0.26	627	780	627
256	0	0	14	15	12	44	0.31	0.34	0.27	646	780	646
259	0	0	14	15	12	43	0.33	0.34	0.28	640	780	640
263	0	0	14	15	12	42	0.32	0.35	0.30	650	780	650
266	0	0	15	17	14	49	0.31	0.35	0.28	708	780	708
270	0	0	14	16	13	47	0.30	0.34	0.28	684	780	684
274	0	0	14	16	13	46	0.31	0.35	0.28	684	780	684
277	0	0	15	17	13	49	0.30	0.35	0.27	703	780	703
281	0	0	15	17	13	49	0.30	0.34	0.26	684	780	684
284	0	0	14	17	12	48	0.30	0.35	0.26	670	780	670
288	0	0	15	17	13	49	0.31	0.35	0.27	702	780	702
292	0	0	17	18	14	51	0.33	0.34	0.27	725	780	725
295	0	0	17	18	14	52	0.33	0.34	0.27	739	780	739
299	0	0	17	18	14	51	0.33	0.34	0.28	739	780	739
302	0	0	19	20	15	57	0.33	0.34	0.26	770	780	770
D613889 :												
47	0	0	18	23	17	57	0.32	0.40	0.30	830	870	830
50	0	0	18	22	17	59	0.31	0.36	0.28	820	860	820
54	0	0	18	22	16	55	0.33	0.40	0.29	806	850	806
58	0	0	16	20	14	55	0.30	0.36	0.26	757	820	757
61	0	0	17	19	14	55	0.31	0.35	0.26	751	810	751
65	0	0	15	16	12	49	0.31	0.32	0.25	660	780	660
68	0	0	15	17	13	52	0.29	0.33	0.25	701	870	701
72	0	0	15	16	13	51	0.29	0.32	0.26	688	810	688
76	0	0	15	15	13	49	0.30	0.30	0.26	662	800	662
79	0	0	14	13	12	47	0.30	0.28	0.26	618	800	618
83	0	0	14	14	12	46	0.30	0.30	0.26	614	800	614
86	0	0	11	13	11	43	0.25	0.30	0.25	576	800	576
90	0	0	10	13	11	40	0.25	0.32	0.27	567	800	567
94	0	0	11	12	11	41	0.26	0.30	0.26	554	820	554
97	0	0	9	12	10	37	0.24	0.31	0.26	508	840	508
101	0	0	9	12	9	36	0.26	0.34	0.25	496	860	496
104	0	0	10	13	10	41	0.24	0.31	0.25	547	840	547
108	0	0	10	13	11	40	0.25	0.33	0.27	571	840	571
112	0	0	8	12	10	36	0.24	0.34	0.28	525	830	525
115	0	0	8	12	10	36	0.23	0.33	0.28	538	830	538
119	0	0	9	12	10	38	0.24	0.32	0.27	538	820	538

NORM.

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	EST. PEEL
122	0	0	12	13	12	46	0.27	0.29	0.25	601	800	601
126	0	0	15	15	13	49	0.31	0.31	0.26	672	790	672
130	0	0	14	15	12	49	0.29	0.31	0.25	646	780	646
133	0	0	16	19	14	51	0.32	0.37	0.27	739	770	739
137	0	0	16	18	14	51	0.32	0.35	0.27	715	770	715
140	0	0	16	18	14	54	0.30	0.33	0.26	737	770	737
144	0	0	16	19	15	56	0.29	0.34	0.26	760	770	760
148	0	0	16	18	15	54	0.29	0.33	0.27	747	780	747
151	0	0	16	18	15	54	0.31	0.34	0.28	760	790	760
155	0	0	17	19	15	56	0.29	0.34	0.27	780	810	780
292	0	0	18	22	16	56	0.32	0.40	0.29	799	900	799
295	0	0	19	24	18	60	0.32	0.41	0.30	840	870	840
299	0	0	19	26	18	62	0.31	0.42	0.30	850	860	850
302	0	0	19	26	19	62	0.30	0.42	0.30	855	850	855
306	0	0	19	24	18	61	0.31	0.40	0.29	839	840	839
310	0	0	19	21	16	57	0.33	0.38	0.28	805	840	805
313	0	0	19	22	16	60	0.32	0.36	0.26	798	840	798
317	0	0	19	24	17	62	0.32	0.39	0.28	831	840	831
320	0	0	20	26	19	64	0.31	0.40	0.29	857	840	857
324	0	0	19	26	18	65	0.30	0.41	0.29	849	830	849
328	0	0	20	25	19	64	0.31	0.40	0.29	858	830	858
331	0	0	19	25	18	61	0.31	0.41	0.29	841	830	841
335	0	0	19	25	17	58	0.32	0.42	0.29	819	830	819
338	0	0	19	26	18	61	0.31	0.42	0.29	839	830	839
342	0	0	19	24	17	59	0.32	0.41	0.29	833	820	833
346	0	0	18	22	16	55	0.33	0.40	0.30	811	820	811
349	0	0	18	21	16	52	0.34	0.41	0.30	786	830	786
353	0	0	18	24	17	57	0.33	0.43	0.31	830	830	830
356	0	0	18	23	17	57	0.32	0.41	0.30	822	840	822
360	0	0	18	24	17	56	0.33	0.43	0.31	826	850	826
E614660 :												
180	0	0	18	27	22	66	0.27	0.42	0.33	910	740	910
184	0	0	18	27	22	65	0.28	0.42	0.34	912	740	912
187	0	0	18	27	22	65	0.28	0.42	0.33	910	740	910
191	0	0	18	27	21	64	0.28	0.41	0.32	897	740	897
194	0	0	18	26	21	63	0.28	0.41	0.33	898	740	898
198	0	0	17	25	19	61	0.29	0.41	0.32	874	740	874
202	0	0	17	25	20	60	0.29	0.42	0.33	874	740	874
205	0	0	17	24	19	58	0.29	0.40	0.32	862	730	862
209	0	0	18	25	20	60	0.29	0.41	0.32	879	730	879
212	0	0	16	21	17	54	0.29	0.39	0.32	829	730	829
216	0	0	17	24	19	59	0.29	0.41	0.32	866	730	866
220	0	0	17	24	19	60	0.29	0.40	0.31	860	730	860
223	0	0	17	25	19	60	0.29	0.42	0.32	870	730	870
227	0	0	17	24	18	59	0.29	0.41	0.31	854	730	854
230	0	0	17	25	19	59	0.29	0.42	0.32	857	730	857
234	0	0	18	24	18	59	0.30	0.41	0.31	851	730	851
238	0	0	17	25	19	59	0.29	0.42	0.32	864	720	864
241	0	0	18	26	20	60	0.29	0.43	0.33	873	720	873
245	0	0	18	25	19	61	0.29	0.42	0.32	870	720	870
248	0	0	18	25	19	60	0.30	0.42	0.32	866	720	866
252	0	0	18	26	19	61	0.29	0.42	0.32	868	720	868
256	0	0	18	24	19	60	0.30	0.40	0.31	861	720	861
259	0	0	18	24	19	59	0.31	0.41	0.32	862	720	862

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
263	0	0	18	24	18	58	0.31	0.41	0.31	856	720	856
266	0	0	18	24	18	58	0.31	0.41	0.32	857	720	857
270	0	0	18	24	17	58	0.31	0.41	0.30	834	720	834
274	0	0	18	23	17	56	0.31	0.40	0.30	826	720	826
277	0	0	18	25	19	60	0.31	0.41	0.32	868	720	868
281	0	0	18	25	19	60	0.31	0.42	0.32	875	720	875
284	0	0	19	25	19	60	0.31	0.41	0.32	875	720	875
288	0	0	18	24	19	59	0.31	0.42	0.33	871	720	871
292	0	0	19	26	20	61	0.30	0.42	0.33	887	720	887
295	0	0	19	26	20	61	0.31	0.42	0.33	887	720	887
299	0	0	19	27	21	62	0.30	0.43	0.34	893	720	893
302	0	0	18	26	20	62	0.30	0.42	0.33	890	720	890
306	0	0	19	26	21	62	0.30	0.43	0.33	891	720	891
310	0	0	19	26	20	62	0.30	0.42	0.32	879	720	879
313	0	0	19	27	21	62	0.30	0.43	0.33	891	720	891
317	0	0	18	28	21	63	0.29	0.44	0.34	895	720	895
320	0	0	19	27	21	64	0.30	0.43	0.33	895	720	895
324	0	0	18	27	20	60	0.31	0.44	0.34	883	720	883
328	0	0	19	27	21	62	0.30	0.44	0.34	894	720	894
331	0	0	19	27	22	64	0.29	0.43	0.35	915	720	915
335	0	0	19	28	22	65	0.30	0.43	0.35	918	730	918
338	0	0	19	28	23	66	0.29	0.43	0.35	918	730	918
342	0	0	19	28	22	65	0.29	0.42	0.34	914	730	914
346	0	0	19	29	23	66	0.29	0.43	0.35	918	740	918
349	0	0	18	27	21	64	0.29	0.43	0.33	899	750	899
353	0	0	19	27	22	64	0.30	0.43	0.34	911	770	911
356	0	0	19	28	22	64	0.30	0.43	0.35	912	780	912
360	0	0	19	25	20	59	0.31	0.42	0.33	879	790	879
E615691 :												
47	0	0	18	21	15	55	0.33	0.38	0.28	782	550	782
50	0	0	17	19	14	53	0.33	0.37	0.27	747	510	747
54	0	0	17	18	13	52	0.33	0.35	0.26	719	440	719
58	0	0	18	20	14	54	0.33	0.37	0.25	739	590	739
61	0	0	18	21	14	55	0.33	0.38	0.26	756	630	756
65	0	0	19	22	16	58	0.32	0.38	0.27	793	690	793
68	0	0	19	22	16	57	0.33	0.38	0.28	798	600	798
72	0	0	18	21	16	56	0.33	0.38	0.28	790	580	790
76	0	0	19	23	16	58	0.32	0.40	0.28	802	610	802
79	0	0	17	21	15	55	0.32	0.38	0.28	778	640	778
83	0	0	18	21	16	56	0.33	0.38	0.29	797	560	797
86	0	0	19	22	16	56	0.33	0.39	0.28	802	540	802
90	0	0	18	21	15	54	0.33	0.38	0.28	781	650	781
94	0	0	17	21	16	53	0.33	0.39	0.29	788	630	788
97	0	0	16	19	14	49	0.33	0.38	0.29	738	610	738
101	0	0	16	19	14	54	0.30	0.35	0.26	739	590	739
104	0	0	16	21	16	53	0.31	0.39	0.30	793	570	793
108	0	0	17	20	16	52	0.32	0.39	0.31	795	530	795
112	0	0	16	19	14	48	0.33	0.40	0.30	744	470	744
115	0	0	16	19	14	49	0.32	0.38	0.29	747	470	747
119	0	0	13	15	12	43	0.31	0.36	0.29	653	470	653
122	0	0	13	15	12	45	0.30	0.33	0.27	636	480	636
126	0	0	10	11	9	35	0.30	0.31	0.26	473	460	473
130	0	0	8	10	9	34	0.24	0.30	0.25	439	460	439
133	0	0	9	12	10	38	0.25	0.31	0.25	508	460	508

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
180	0	0	16	17	13	53	0.29	0.33	0.25	704	440	704
184	0	0	15	17	13	47	0.32	0.35	0.27	684	440	684
187	0	0	16	19	14	48	0.33	0.41	0.29	735	470	735
191	0	0	16	20	14	49	0.32	0.40	0.29	752	520	752
194	0	0	16	19	14	53	0.31	0.36	0.27	745	580	745
198	0	0	16	19	14	50	0.32	0.38	0.28	742	660	742
270	0	0	12	15	12	47	0.25	0.32	0.25	629	460	629
274	0	0	12	15	12	47	0.26	0.32	0.25	626	460	626
277	0	0	13	15	12	48	0.27	0.31	0.26	648	450	648
281	0	0	12	14	12	45	0.28	0.31	0.26	612	430	612
284	0	0	14	15	12	46	0.30	0.32	0.25	622	420	622
288	0	0	12	13	11	41	0.28	0.33	0.27	590	420	590
292	0	0	11	14	11	43	0.26	0.32	0.25	592	420	592
295	0	0	13	15	11	45	0.28	0.33	0.25	611	480	611
299	0	0	15	16	13	44	0.34	0.37	0.29	668	500	668
E616076 I												
36	4	0	20	33	26	84	0.24	0.39	0.31	1360	440	1360
40	3	0	20	32	26	82	0.25	0.39	0.32	1324	450	1324
43	2	0	19	30	25	80	0.24	0.38	0.31	1278	460	1278
47	6	0	20	32	25	84	0.24	0.38	0.30	1340	460	1340
50	5	0	20	32	26	84	0.23	0.38	0.31	1335	450	1335
54	4	0	20	30	25	83	0.24	0.37	0.31	1294	450	1294
58	5	0	20	29	25	85	0.23	0.34	0.30	1275	440	1275
61	6	0	20	31	26	84	0.23	0.37	0.31	1323	440	1323
65	41	0	20	30	25	81	0.25	0.37	0.31	1272	440	1272
68	0	0	19	23	20	63	0.30	0.37	0.32	1007	440	1007
72	40	0	19	32	25	84	0.23	0.39	0.30	1357	440	1357
76	6	0	21	34	28	88	0.23	0.39	0.32	1410	420	1410
79	5	0	19	31	26	84	0.23	0.37	0.30	1334	430	1334
83	5	0	19	32	26	84	0.23	0.38	0.31	1337	430	1337
86	2	0	20	34	27	83	0.25	0.41	0.32	1376	430	1376
90	5	0	20	33	26	86	0.23	0.38	0.30	1377	420	1377
94	5	0	20	32	26	88	0.22	0.37	0.30	1379	420	1379
97	4	0	20	33	27	91	0.22	0.36	0.29	1410	410	1410
101	36	0	20	34	26	82	0.24	0.41	0.32	1371	410	1371
104	0	0	19	31	24	67	0.28	0.46	0.36	1216	410	1216
108	43	0	21	35	27	86	0.25	0.41	0.32	1421	420	1421
238	18	0	22	38	29	82	0.27	0.46	0.35	1425	440	1425
241	28	0	23	39	29	90	0.26	0.44	0.33	1508	440	1508
245	24	0	23	37	29	84	0.28	0.45	0.34	1437	440	1437
248	6	0	23	37	28	86	0.27	0.43	0.33	1442	450	1442
252	11	0	23	39	28	86	0.27	0.45	0.33	1477	450	1477
256	24	0	24	39	29	84	0.28	0.46	0.34	1466	450	1466
259	20	0	24	39	29	83	0.28	0.47	0.35	1450	450	1450
263	26	0	24	39	30	88	0.28	0.45	0.34	1494	450	1494
266	39	0	24	39	30	84	0.29	0.47	0.36	1457	440	1457
270	22	0	25	40	30	87	0.28	0.46	0.34	1501	440	1501
274	19	0	25	40	30	87	0.28	0.46	0.34	1507	440	1507
277	37	0	25	41	30	90	0.27	0.45	0.34	1526	440	1526
281	2	0	25	40	30	89	0.28	0.44	0.34	1502	440	1502
284	15	0	24	39	29	83	0.29	0.46	0.35	1454	440	1454
288	30	0	25	40	29	90	0.28	0.44	0.32	1523	440	1523

Size: 26 X 6

Comments: Data extracted from regions exhibiting smooth adhesion pull.

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						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	PEEL
837585 :												
137	0	0	12	14	11	46	0.26	0.30	0.24	588	760	614
140	0	0	11	14	11	47	0.23	0.29	0.22	582	760	607
144	0	0	11	14	10	49	0.23	0.28	0.21	570	740	595
148	0	0	11	13	10	47	0.23	0.28	0.21	544	720	568
151	0	0	11	13	10	48	0.22	0.28	0.20	554	720	578
155	0	0	10	14	10	45	0.23	0.30	0.23	570	720	595
158	0	0	10	15	11	44	0.24	0.34	0.26	620	720	647
162	0	0	12	14	11	43	0.27	0.33	0.25	600	700	626
166	0	0	13	15	12	43	0.30	0.35	0.27	631	700	658
169	0	0	15	16	13	48	0.31	0.34	0.26	674	720	703
173	0	0	15	16	13	47	0.32	0.34	0.27	675	740	704
176	0	0	15	16	13	46	0.32	0.34	0.28	675	730	704
180	0	0	15	16	13	46	0.33	0.34	0.28	672	720	701
184	0	0	15	15	13	45	0.34	0.34	0.28	666	720	695
187	0	0	16	16	13	48	0.34	0.34	0.28	687	720	717
191	0	0	15	16	13	45	0.34	0.34	0.28	664	720	693
194	0	0	14	15	12	43	0.32	0.34	0.28	633	700	661
198	0	0	14	15	12	41	0.33	0.35	0.28	626	750	653
202	0	0	14	14	12	42	0.34	0.35	0.29	627	730	654
205	0	0	12	13	11	40	0.31	0.33	0.28	592	740	618
209	0	0	13	14	12	42	0.32	0.34	0.28	621	730	648
212	0	0	15	15	13	44	0.34	0.35	0.29	663	740	692
216	0	0	14	15	12	42	0.32	0.36	0.28	642	750	670
220	0	0	14	14	12	42	0.33	0.34	0.28	630	750	657
223	0	0	16	16	14	47	0.35	0.35	0.29	697	760	727
C69415 :												
227	0	0	17	24	15	62	0.28	0.38	0.24	770	630	803
230	0	0	17	23	15	63	0.27	0.37	0.24	775	620	809
234	0	0	17	24	15	62	0.27	0.39	0.24	764	620	797
238	0	0	17	24	15	64	0.26	0.38	0.24	780	620	814
241	0	0	17	24	15	65	0.27	0.37	0.23	782	600	816
245	0	0	19	25	15	67	0.28	0.37	0.23	793	610	827
248	0	0	20	25	16	61	0.32	0.41	0.27	800	600	835
252	0	0	18	24	16	65	0.28	0.37	0.24	794	600	829
256	0	0	17	25	15	64	0.26	0.38	0.23	770	600	803
259	0	0	17	24	15	56	0.29	0.43	0.26	755	590	788
263	0	0	16	24	15	58	0.28	0.41	0.26	766	590	799
266	0	0	17	25	15	58	0.29	0.43	0.26	757	590	790
270	0	0	18	24	15	58	0.31	0.41	0.26	767	590	800
274	0	0	18	24	15	59	0.30	0.41	0.26	772	580	806
277	0	0	18	23	15	58	0.31	0.40	0.25	765	580	798
281	0	0	18	24	15	55	0.32	0.43	0.27	758	580	791
284	0	0	20	27	17	63	0.31	0.42	0.27	800	580	835

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
288	0	0	20	28	17	63	0.32	0.45	0.27	782	620	816
292	0	0	19	27	17	63	0.30	0.42	0.28	817	610	853
295	0	0	19	27	17	65	0.30	0.42	0.27	813	590	848
299	0	0	19	28	18	65	0.30	0.42	0.27	821	590	857
302	0	0	19	28	18	66	0.29	0.43	0.27	819	600	855
306	0	0	19	28	18	66	0.29	0.43	0.28	822	580	858
310	0	0	19	28	18	66	0.28	0.43	0.28	829	580	865
313	0	0	18	27	18	62	0.29	0.44	0.29	821	560	857
317	0	0	17	26	18	61	0.28	0.43	0.29	827	560	863
320	0	0	20	29	20	68	0.29	0.43	0.29	841	570	878
324	0	0	20	31	20	69	0.29	0.45	0.29	828	560	864
328	0	0	20	30	21	68	0.29	0.44	0.30	846	530	883
331	0	0	20	31	21	69	0.29	0.45	0.30	833	540	869
335	0	0	19	30	20	69	0.28	0.44	0.29	841	560	878
338	0	0	19	31	21	68	0.29	0.45	0.30	839	570	875
342	0	0	19	31	20	66	0.29	0.47	0.31	822	570	858
346	0	0	20	31	21	66	0.30	0.47	0.31	827	570	863
349	0	0	19	31	20	64	0.30	0.49	0.31	807	560	842
353	0	0	19	31	20	64	0.30	0.48	0.31	810	600	845
356	0	0	20	31	20	65	0.30	0.48	0.31	819	540	855
360	0	0	20	32	22	68	0.29	0.47	0.32	826	550	862
C69416 :												
137	0	0	21	29	18	70	0.30	0.42	0.26	816	580	851
140	0	0	21	28	18	67	0.32	0.42	0.27	829	580	865
144	0	0	20	28	19	65	0.31	0.44	0.29	827	590	863
148	0	0	17	23	15	63	0.27	0.37	0.24	779	560	813
151	0	0	22	29	18	69	0.32	0.42	0.26	807	580	842
155	0	0	22	28	17	71	0.31	0.40	0.25	815	610	850
158	0	0	22	28	18	67	0.33	0.42	0.26	814	610	849
162	0	0	21	28	18	73	0.29	0.38	0.24	828	590	864
166	0	0	21	26	17	73	0.29	0.35	0.23	826	560	862
169	0	0	22	27	17	77	0.28	0.35	0.22	832	540	868
173	0	0	21	26	16	76	0.28	0.34	0.21	816	540	851
176	0	0	20	25	15	75	0.27	0.34	0.20	783	540	817
180	0	0	20	27	16	74	0.27	0.36	0.21	793	540	827
184	0	0	15	21	13	61	0.25	0.35	0.22	738	540	770
187	0	0	15	21	13	69	0.21	0.30	0.19	739	540	771
191	0	0	19	24	15	72	0.27	0.34	0.21	792	550	826
194	0	0	20	26	16	70	0.29	0.37	0.23	812	570	847
198	0	0	20	26	16	69	0.29	0.38	0.24	812	560	847
202	0	0	20	27	17	70	0.29	0.39	0.25	819	540	855
205	0	0	20	27	18	66	0.31	0.41	0.27	824	520	860
209	0	0	21	29	18	70	0.30	0.41	0.26	821	520	857
212	0	0	20	28	18	72	0.28	0.39	0.26	842	530	879
216	0	0	20	31	19	81	0.25	0.38	0.23	830	550	866
220	0	0	19	27	19	68	0.27	0.40	0.27	852	560	889
223	0	0	20	32	20	68	0.30	0.47	0.30	816	540	851
D610907 :												
101	0	0	21	34	26	71	0.30	0.48	0.36	878	520	916
104	0	0	21	34	26	70	0.30	0.49	0.38	873	500	911
108	0	0	21	33	25	71	0.29	0.47	0.36	884	480	922
112	0	0	20	33	24	69	0.29	0.48	0.36	869	480	907
115	0	0	20	32	25	68	0.30	0.48	0.36	884	480	922
119	0	0	20	32	25	68	0.30	0.47	0.36	885	480	923

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
122	0	0	20	31	24	67	0.31	0.47	0.36	892	480	931
126	0	0	20	31	24	67	0.30	0.47	0.36	895	480	934
130	0	0	20	32	24	67	0.30	0.47	0.35	878	480	916
133	0	0	20	31	23	68	0.30	0.47	0.35	883	480	921
137	0	0	21	33	24	68	0.30	0.49	0.35	852	480	889
140	0	0	21	32	23	65	0.33	0.50	0.36	855	490	892
144	0	0	21	32	23	64	0.33	0.49	0.35	858	490	895
148	0	0	21	32	23	63	0.34	0.51	0.36	852	500	889
151	0	0	21	30	22	63	0.33	0.48	0.35	867	500	905
155	0	0	21	32	23	66	0.32	0.48	0.36	873	520	911
158	0	0	20	31	23	66	0.30	0.47	0.35	877	520	915
162	0	0	20	31	24	67	0.30	0.46	0.35	896	540	935
166	0	0	20	31	23	67	0.30	0.46	0.35	889	540	928
169	0	0	20	30	23	67	0.29	0.45	0.35	900	540	939
173	0	0	20	31	23	65	0.31	0.47	0.36	894	550	933
176	0	0	20	31	23	66	0.30	0.47	0.35	887	560	926
180	0	0	20	32	24	67	0.30	0.48	0.35	876	560	914
D611131 :												
90	0	0	18	19	17	57	0.33	0.34	0.30	819	620	855
94	0	0	18	19	17	55	0.33	0.35	0.30	810	660	845
97	0	0	18	18	15	56	0.32	0.31	0.27	766	660	799
101	0	0	19	18	16	56	0.33	0.33	0.28	775	660	809
104	0	0	17	17	15	58	0.30	0.29	0.26	759	660	792
108	0	0	18	19	16	58	0.30	0.32	0.27	790	660	824
D611343 :												
137	0	0	18	26	20	61	0.30	0.42	0.32	880	610	918
140	0	0	19	27	21	62	0.30	0.43	0.34	900	610	939
144	0	0	18	25	20	61	0.30	0.41	0.33	883	610	921
148	0	0	19	26	21	63	0.30	0.41	0.33	894	610	933
151	0	0	19	28	21	63	0.29	0.44	0.34	889	610	928
155	0	0	19	26	21	62	0.30	0.42	0.34	897	610	936
158	0	0	19	27	22	64	0.29	0.42	0.34	909	610	949
162	0	0	18	27	21	63	0.29	0.43	0.34	904	610	943
166	0	0	18	27	22	63	0.29	0.43	0.35	910	610	950
169	0	0	19	28	22	63	0.30	0.44	0.34	894	610	933
D612007 :												
191	0	0	18	26	19	69	0.26	0.37	0.28	886	760	925
194	0	0	18	27	20	70	0.25	0.38	0.29	902	750	941
198	0	0	18	27	21	70	0.25	0.39	0.30	909	750	949
202	0	0	18	29	23	71	0.25	0.41	0.32	927	760	967
205	0	0	19	30	23	72	0.26	0.42	0.32	916	760	956
209	0	0	18	28	22	70	0.26	0.40	0.32	921	760	961
212	1	0	19	29	23	71	0.26	0.40	0.32	933	760	974
216	1	0	18	28	22	71	0.26	0.40	0.31	922	760	962
220	0	0	18	27	22	69	0.25	0.39	0.32	925	760	965
223	0	0	18	27	21	71	0.25	0.38	0.30	914	760	954
227	0	0	18	27	21	70	0.25	0.39	0.30	901	750	940
230	0	0	17	27	20	67	0.26	0.41	0.30	887	760	926
234	0	0	18	26	20	67	0.27	0.39	0.30	887	760	926
238	0	0	18	27	21	69	0.25	0.39	0.30	904	760	943
241	0	0	18	27	21	68	0.27	0.40	0.31	905	760	944
245	0	0	18	26	21	69	0.26	0.38	0.30	907	760	946
248	0	0	18	27	20	69	0.26	0.39	0.29	887	760	926
252	0	0	17	26	19	66	0.26	0.40	0.29	868	780	906

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
256	0	0	17	26	20	67	0.26	0.39	0.30	896	760	935
259	0	0	17	27	21	66	0.25	0.40	0.32	903	760	942
263	0	0	17	26	20	64	0.27	0.41	0.32	890	760	929
266	0	0	17	26	20	65	0.26	0.39	0.31	890	760	929
270	0	0	17	26	20	68	0.26	0.38	0.29	891	760	930
274	0	0	17	26	19	64	0.27	0.40	0.30	863	740	901
277	0	0	18	25	18	65	0.27	0.38	0.28	854	730	891
281	0	0	18	25	19	65	0.27	0.39	0.30	878	710	916
284	0	0	18	26	20	64	0.28	0.40	0.31	879	720	917
288	0	0	18	26	19	66	0.27	0.39	0.29	871	720	909
292	0	0	18	26	20	66	0.28	0.39	0.30	883	720	921
295	0	0	18	26	19	66	0.27	0.40	0.30	878	720	916
299	0	0	18	26	20	66	0.28	0.40	0.30	878	720	916
302	0	0	18	26	20	68	0.27	0.39	0.29	889	720	928
306	0	0	18	25	19	65	0.28	0.39	0.29	872	720	910
310	0	0	19	25	19	69	0.27	0.36	0.27	882	730	920
313	0	0	18	26	20	66	0.27	0.39	0.30	884	740	922
317	0	0	18	26	20	67	0.27	0.39	0.30	885	750	923
320	0	0	19	26	19	67	0.28	0.38	0.28	871	750	909
324	0	0	18	26	20	67	0.27	0.39	0.29	879	760	917
328	0	0	18	26	19	68	0.27	0.37	0.27	872	760	910
331	0	0	18	26	19	66	0.27	0.39	0.29	877	760	915
335	0	0	18	26	20	67	0.26	0.39	0.29	880	760	918
338	0	0	18	26	20	65	0.27	0.40	0.31	883	760	921
342	0	0	18	26	21	66	0.27	0.40	0.31	901	770	940
346	0	0	18	27	21	66	0.27	0.41	0.32	905	780	944
349	0	0	18	28	21	68	0.27	0.42	0.32	900	800	939
353	0	0	18	27	21	66	0.27	0.41	0.32	904	810	943
356	0	0	18	27	21	67	0.27	0.41	0.32	906	810	945
360	0	0	18	28	21	67	0.27	0.41	0.32	904	810	943
D612457 :												
72	0	0	12	17	11	44	0.28	0.40	0.25	623	640	650
76	0	0	12	17	11	43	0.28	0.39	0.24	617	640	644
79	0	0	12	17	11	44	0.27	0.38	0.25	619	640	646
83	0	0	8	14	9	38	0.22	0.35	0.22	508	640	530
86	0	0	12	18	11	45	0.27	0.39	0.24	630	630	657
90	0	0	13	18	11	45	0.28	0.39	0.25	639	630	667
94	0	0	13	18	11	46	0.28	0.39	0.24	638	630	666
97	0	0	13	18	11	47	0.28	0.39	0.24	646	630	674
101	0	0	13	18	11	47	0.28	0.38	0.24	650	630	678
104	0	0	13	17	11	45	0.29	0.38	0.25	640	630	668
108	0	0	13	18	11	46	0.28	0.39	0.25	644	630	672
202	0	0	11	17	11	41	0.28	0.40	0.26	617	560	644
205	0	0	11	16	11	41	0.27	0.39	0.26	608	560	634
209	0	0	11	15	10	40	0.28	0.38	0.25	586	560	611
212	0	0	11	15	10	39	0.28	0.39	0.26	588	560	614
216	0	0	11	15	10	39	0.28	0.38	0.26	578	560	603
220	0	0	11	15	10	39	0.28	0.39	0.25	576	560	601
223	0	0	11	16	10	40	0.27	0.39	0.26	593	580	619
227	0	0	11	16	11	41	0.27	0.39	0.26	608	570	634
230	0	0	11	16	11	41	0.28	0.39	0.27	617	570	644
234	0	0	11	16	11	41	0.27	0.40	0.27	624	570	651
238	0	0	11	16	11	41	0.26	0.38	0.27	619	580	646
241	0	0	11	16	11	40	0.27	0.39	0.27	619	580	646

											NORM.	
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. FEEL	EST. PEEL
245	0	0	11	15	11	39	0.27	0.39	0.27	607	580	633
248	0	0	10	15	11	39	0.27	0.38	0.27	592	570	618
252	0	0	10	14	10	40	0.25	0.36	0.25	570	580	595
256	0	0	9	13	9	36	0.24	0.37	0.25	518	580	541
259	0	0	10	14	10	38	0.26	0.37	0.26	565	580	590
263	0	0	9	14	9	38	0.24	0.37	0.25	541	580	565
266	0	0	10	15	11	39	0.27	0.39	0.27	596	590	622
270	0	0	11	15	11	40	0.26	0.38	0.27	598	590	624
D613281 :												
162	3	0	22	37	25	72	0.30	0.51	0.35	799	980	834
166	1	0	22	36	25	74	0.30	0.49	0.34	813	980	848
169	2	0	22	36	25	75	0.30	0.48	0.33	819	980	855
173	8	0	22	37	25	74	0.30	0.50	0.34	777	1000	811
176	19	0	23	37	25	73	0.31	0.51	0.35	776	1010	810
180	5	0	23	37	26	75	0.31	0.49	0.34	799	1020	834
D613330 :												
90	0	0	12	15	12	45	0.28	0.33	0.26	632	930	659
94	0	0	16	18	13	55	0.28	0.32	0.24	711	880	742
97	0	0	17	19	14	54	0.32	0.36	0.26	738	900	770
101	0	0	17	20	14	55	0.31	0.36	0.25	742	880	774
104	0	0	17	19	14	53	0.31	0.36	0.26	733	880	765
108	0	0	15	18	14	54	0.29	0.34	0.25	724	880	755
112	0	0	17	20	14	52	0.32	0.38	0.27	740	880	772
115	0	0	17	19	14	54	0.32	0.36	0.26	743	880	775
119	0	0	18	19	14	52	0.34	0.37	0.27	743	880	775
122	0	0	17	20	14	58	0.29	0.34	0.24	742	880	774
126	0	0	19	22	15	55	0.35	0.40	0.28	775	890	809
130	0	0	19	22	15	55	0.35	0.40	0.27	774	890	808
133	0	0	19	21	14	54	0.35	0.40	0.26	749	910	782
137	0	0	18	21	14	53	0.35	0.40	0.27	746	900	778
140	0	0	19	21	14	53	0.35	0.40	0.27	751	900	784
144	0	0	19	21	15	54	0.36	0.40	0.28	771	900	805
148	0	0	19	25	17	61	0.32	0.41	0.28	825	920	861
151	0	0	20	24	17	62	0.31	0.39	0.28	834	920	870
155	0	0	19	24	17	61	0.32	0.40	0.28	828	940	864
158	0	0	19	24	17	61	0.31	0.40	0.27	813	950	848
162	0	0	19	22	16	57	0.33	0.40	0.28	794	950	829
166	0	0	19	22	15	57	0.33	0.39	0.27	787	960	821
169	0	0	19	23	16	58	0.33	0.40	0.28	804	960	839
173	0	0	19	24	16	58	0.34	0.41	0.28	798	960	833
176	0	0	19	23	17	61	0.32	0.39	0.28	823	1000	859
180	0	0	19	24	17	61	0.32	0.39	0.28	826	1010	862
D613749 :												
227	0	0	12	17	12	50	0.23	0.34	0.25	679	880	709
230	0	0	14	18	14	54	0.26	0.34	0.25	727	840	759
234	0	0	10	15	11	46	0.23	0.34	0.25	623	840	650
238	0	0	11	15	11	46	0.23	0.32	0.24	602	840	628
241	0	0	11	15	12	49	0.23	0.29	0.24	632	840	659
245	0	0	13	17	12	49	0.27	0.35	0.25	675	840	704
248	0	0	12	17	12	47	0.25	0.35	0.25	654	840	682
252	0	0	14	18	13	56	0.25	0.32	0.24	714	850	745
256	0	0	11	16	12	48	0.24	0.35	0.24	645	850	673
259	0	0	14	17	13	55	0.25	0.31	0.23	698	860	728
263	0	0	13	18	13	56	0.24	0.32	0.23	699	860	729

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
266	0	0	13	18	13	56	0.24	0.32	0.23	700	860	730
270	0	0	13	16	13	54	0.24	0.31	0.23	680	860	710
274	0	0	13	17	12	53	0.24	0.32	0.23	671	850	700
277	0	0	11	15	11	49	0.24	0.31	0.23	620	850	647
281	0	0	13	17	12	55	0.24	0.32	0.23	687	850	717
284	0	0	10	15	10	42	0.24	0.36	0.25	591	850	617
288	0	0	12	16	12	48	0.25	0.33	0.24	642	840	670
292	0	0	12	16	11	48	0.25	0.34	0.24	635	850	663
295	0	0	13	17	12	53	0.24	0.32	0.23	667	850	696
299	0	0	13	17	12	54	0.23	0.32	0.22	674	840	703
302	0	0	12	16	12	52	0.23	0.31	0.23	659	840	688
306	0	0	12	17	12	52	0.24	0.32	0.23	670	840	699
310	0	0	13	16	12	53	0.24	0.31	0.23	673	840	702
313	0	0	13	17	12	53	0.24	0.32	0.23	673	840	702
317	0	0	12	17	12	50	0.24	0.33	0.23	647	840	675
320	0	0	12	17	12	51	0.24	0.32	0.23	656	840	685
324	0	0	13	17	12	54	0.24	0.31	0.23	681	840	711
328	0	0	13	17	12	52	0.25	0.33	0.24	679	840	709
331	0	0	13	17	12	52	0.24	0.32	0.24	679	850	709
335	0	0	12	17	12	52	0.23	0.32	0.23	669	850	698
338	0	0	13	17	13	50	0.26	0.34	0.26	685	850	715
342	0	0	14	18	13	51	0.26	0.34	0.25	694	860	724
346	0	0	15	18	13	49	0.31	0.38	0.28	713	860	744
349	0	0	15	18	14	50	0.29	0.37	0.27	722	860	753
353	0	0	13	18	13	53	0.25	0.33	0.24	697	870	727
356	0	0	15	19	13	51	0.29	0.37	0.26	718	870	749
360	0	0	16	19	14	52	0.30	0.37	0.26	727	880	759
D613750 :												
43	0	0	14	19	14	54	0.27	0.36	0.25	731	780	763
47	0	0	15	20	15	50	0.30	0.40	0.29	760	850	793
50	0	0	15	19	15	51	0.30	0.38	0.28	753	870	786
54	0	0	16	20	15	52	0.30	0.38	0.29	772	870	806
58	0	0	17	21	16	52	0.32	0.39	0.30	783	880	817
61	0	0	18	22	16	55	0.32	0.40	0.29	791	890	825
65	0	0	19	22	16	56	0.33	0.39	0.29	809	890	844
68	0	0	19	23	17	59	0.33	0.40	0.29	831	890	867
72	0	0	20	24	18	59	0.34	0.40	0.30	839	890	875
76	0	0	19	21	17	56	0.34	0.38	0.30	819	890	855
79	0	0	18	21	16	53	0.33	0.39	0.30	796	880	831
83	0	0	19	22	17	56	0.34	0.39	0.30	818	880	854
86	0	0	20	22	17	55	0.36	0.39	0.31	822	860	858
90	0	0	19	22	16	55	0.34	0.40	0.30	809	840	844
94	0	0	19	21	16	56	0.34	0.38	0.30	812	820	847
97	0	0	19	22	16	56	0.35	0.40	0.30	812	820	847
101	0	0	18	22	16	56	0.33	0.40	0.30	812	820	847
104	0	0	19	22	16	55	0.34	0.40	0.29	804	790	839
108	0	0	19	22	16	54	0.35	0.41	0.30	804	790	839
112	0	0	19	22	16	55	0.34	0.39	0.29	804	790	839
115	0	0	19	22	17	57	0.34	0.39	0.30	826	790	862
119	0	0	19	22	16	55	0.34	0.41	0.30	809	760	844
122	0	0	18	22	16	55	0.33	0.39	0.30	809	760	844
126	0	0	18	22	16	55	0.33	0.40	0.29	796	760	831
130	0	0	13	16	13	44	0.29	0.37	0.29	681	760	711
133	0	0	17	21	15	52	0.32	0.40	0.29	770	760	803

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
137	0	0	14	18	13	49	0.28	0.37	0.27	706	760	737
140	0	0	13	18	13	52	0.26	0.35	0.24	693	760	723
144	0	0	13	18	12	52	0.26	0.35	0.24	685	760	715
148	0	0	14	18	12	56	0.25	0.33	0.22	694	760	724
151	0	0	14	19	13	58	0.24	0.33	0.22	710	760	741
155	0	0	14	18	13	55	0.26	0.33	0.23	705	760	736
158	0	0	15	19	14	53	0.27	0.35	0.26	726	760	758
162	0	0	15	19	13	58	0.25	0.33	0.23	723	750	754
166	0	0	14	19	13	52	0.28	0.36	0.26	718	760	749
169	0	0	15	19	14	50	0.29	0.37	0.27	725	760	757
173	0	0	15	19	14	50	0.31	0.38	0.28	736	760	768
176	0	0	16	19	14	50	0.31	0.39	0.28	744	760	776
180	0	0	16	19	14	50	0.32	0.38	0.28	744	760	776
184	0	0	16	20	14	51	0.31	0.39	0.28	750	770	783
187	0	0	16	20	15	51	0.32	0.39	0.28	755	770	788
191	0	0	16	20	14	52	0.31	0.39	0.27	748	770	781
194	0	0	16	20	15	57	0.28	0.35	0.26	761	790	794
198	0	0	16	20	15	52	0.30	0.38	0.28	755	830	788
202	0	0	15	20	15	53	0.28	0.38	0.27	757	890	790
205	0	0	15	20	15	53	0.29	0.37	0.28	765	950	798
209	0	0	14	20	15	57	0.25	0.35	0.25	762	1010	795
212	0	0	15	19	14	57	0.26	0.34	0.25	746	1000	778
216	0	0	15	20	13	57	0.26	0.34	0.24	733	1000	765
220	0	0	14	19	13	57	0.25	0.33	0.23	730	1000	762
223	0	0	14	19	13	57	0.25	0.33	0.24	729	1000	761
227	0	0	15	19	14	56	0.26	0.34	0.24	735	990	767
230	0	0	15	19	14	57	0.26	0.34	0.24	735	900	767
234	0	0	14	19	13	58	0.25	0.33	0.23	725	900	757
238	0	0	14	19	13	56	0.26	0.34	0.24	725	990	757
241	0	0	14	19	14	53	0.27	0.36	0.26	726	990	758
245	0	0	15	20	15	53	0.29	0.37	0.27	760	990	793
248	0	0	15	21	15	52	0.29	0.39	0.29	781	1000	815
252	0	0	16	20	15	52	0.31	0.38	0.28	760	1000	793
256	0	0	15	20	15	52	0.29	0.38	0.28	760	1000	793
259	0	0	14	20	14	54	0.26	0.36	0.26	744	1000	776
263	0	0	16	21	15	56	0.29	0.37	0.28	786	1000	820
266	0	0	15	20	15	52	0.28	0.38	0.28	761	1000	794
270	0	0	15	19	14	50	0.30	0.39	0.29	748	1000	781
274	0	0	17	21	15	52	0.33	0.41	0.30	777	1000	811
277	0	0	17	21	15	51	0.33	0.41	0.29	762	990	795
281	0	0	16	20	14	51	0.31	0.40	0.28	752	990	785
284	0	0	15	20	14	49	0.30	0.40	0.29	747	980	779
288	0	0	14	19	14	49	0.29	0.39	0.28	730	980	762
292	0	0	15	19	14	50	0.29	0.39	0.27	730	960	762
295	0	0	14	18	13	51	0.28	0.36	0.26	708	960	739
299	0	0	14	19	13	52	0.26	0.36	0.24	702	930	733
302	0	0	14	18	13	54	0.26	0.33	0.23	696	930	726
306	0	0	14	18	12	52	0.27	0.35	0.24	691	920	721
310	0	0	14	19	13	50	0.28	0.37	0.26	701	900	731
313	0	0	14	18	13	53	0.26	0.34	0.24	701	900	731
317	0	0	14	19	13	51	0.28	0.37	0.26	718	890	749
320	0	0	14	19	13	50	0.29	0.38	0.26	711	890	742
324	0	0	14	19	13	52	0.27	0.36	0.25	718	890	749
328	0	0	14	19	13	51	0.28	0.38	0.26	715	890	746

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. FEEL	MEAS. PEEL	NORM. EST. PEEL
331	0	0	14	20	13	50	0.29	0.39	0.27	719	890	750
335	0	0	14	19	14	50	0.28	0.38	0.27	729	890	761
338	0	0	14	20	14	50	0.29	0.40	0.28	742	880	774
342	0	0	15	20	14	51	0.29	0.40	0.28	745	880	777
346	0	0	15	20	14	51	0.29	0.39	0.27	738	880	770
349	0	0	15	20	14	49	0.29	0.40	0.28	731	880	763
353	0	0	15	20	14	49	0.29	0.39	0.27	726	860	758
356	0	0	15	19	14	49	0.30	0.39	0.28	734	860	766
360	0	0	15	20	14	50	0.29	0.40	0.28	741	850	773
E614571 :												
47	0	0	20	33	25	71	0.28	0.47	0.35	878	930	916
50	0	0	20	33	25	71	0.28	0.46	0.35	886	930	925
54	1	0	20	32	25	72	0.28	0.45	0.35	902	960	941
58	1	0	20	33	25	73	0.27	0.45	0.34	891	960	930
61	0	0	19	30	24	67	0.28	0.45	0.36	913	950	953
65	0	0	20	31	25	70	0.28	0.45	0.35	908	920	947
68	3	0	20	32	25	76	0.26	0.42	0.33	914	930	954
72	14	0	20	34	25	74	0.27	0.46	0.35	884	930	922
76	1	0	20	33	25	73	0.28	0.46	0.35	888	930	927
79	0	0	21	34	26	72	0.29	0.47	0.36	878	930	916
83	0	0	21	34	26	71	0.29	0.48	0.36	878	940	916
86	0	0	20	33	26	70	0.29	0.48	0.36	881	930	919
90	0	0	19	33	25	69	0.28	0.48	0.36	883	920	921
94	0	0	19	31	25	67	0.29	0.47	0.37	901	880	940
97	0	0	19	32	25	67	0.28	0.47	0.37	898	860	937
101	0	0	19	30	24	67	0.28	0.44	0.36	921	830	961
104	0	0	19	32	24	67	0.28	0.47	0.36	889	820	928
108	0	0	19	30	24	67	0.28	0.45	0.36	915	820	955
112	0	0	19	29	23	65	0.30	0.45	0.36	910	820	950
115	0	0	18	29	23	65	0.29	0.45	0.36	911	820	951
119	0	0	18	28	23	66	0.28	0.43	0.35	924	830	964
122	0	0	18	30	24	68	0.27	0.44	0.35	920	830	960
126	0	0	19	31	24	68	0.28	0.45	0.35	908	830	947
130	0	0	19	31	25	69	0.27	0.45	0.36	913	840	953
133	0	0	19	32	25	71	0.27	0.44	0.35	913	840	953
137	0	0	19	30	25	69	0.28	0.43	0.36	938	770	979
140	0	0	19	31	24	73	0.26	0.42	0.33	931	770	971
144	4	0	19	30	23	72	0.27	0.42	0.33	922	780	962
148	1	0	19	28	23	67	0.28	0.41	0.34	925	790	965
151	24	0	19	31	24	76	0.26	0.41	0.32	924	790	964
155	7	0	20	29	23	68	0.29	0.43	0.33	914	790	954
158	16	0	20	29	23	72	0.27	0.41	0.32	930	790	970
162	39	0	19	29	23	69	0.28	0.42	0.34	926	790	966
166	5	0	19	28	23	71	0.27	0.40	0.33	939	800	980
169	29	0	19	28	23	70	0.27	0.40	0.33	938	800	979
173	0	0	20	29	23	71	0.28	0.40	0.33	929	790	969
176	34	0	19	28	23	73	0.26	0.38	0.32	943	780	984
180	10	0	19	28	22	68	0.28	0.41	0.33	923	840	963
E614767 :												
101	0	0	19	33	24	69	0.27	0.47	0.35	872	660	910
104	0	0	20	31	24	69	0.28	0.46	0.35	901	680	940
108	0	0	19	33	25	68	0.28	0.48	0.36	881	680	919
112	0	0	19	32	24	69	0.28	0.47	0.36	886	670	925
115	0	0	19	32	24	70	0.27	0.46	0.35	891	650	930

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
119	0	0	19	32	24	69	0.28	0.46	0.36	894	620	933
122	0	0	19	30	24	67	0.29	0.45	0.36	910	610	950
126	0	0	19	31	24	68	0.27	0.46	0.35	902	590	941
130	0	0	19	31	24	65	0.28	0.47	0.36	896	590	935
133	0	0	19	29	23	65	0.29	0.45	0.35	912	580	952
137	0	0	18	29	22	64	0.29	0.45	0.35	892	580	931
140	0	0	19	28	21	63	0.30	0.44	0.34	893	580	932
144	0	0	18	28	22	63	0.29	0.44	0.34	898	580	937
148	0	0	19	27	22	62	0.30	0.44	0.35	903	590	942
151	0	0	19	28	22	62	0.31	0.45	0.35	898	600	937
155	0	0	19	28	22	62	0.31	0.46	0.36	897	600	936
158	0	0	19	28	22	62	0.31	0.45	0.35	895	600	934
162	0	0	19	28	21	61	0.31	0.47	0.35	882	600	920
166	0	0	19	28	21	62	0.31	0.45	0.34	884	600	922
169	0	0	19	28	22	61	0.31	0.46	0.35	892	590	931
173	0	0	19	28	22	62	0.31	0.45	0.35	894	590	933
176	0	0	19	28	22	62	0.31	0.45	0.35	892	590	931
180	0	0	17	22	17	50	0.34	0.44	0.35	831	590	867
184	0	0	19	28	21	61	0.31	0.46	0.35	892	580	931
187	0	0	19	28	22	61	0.31	0.46	0.36	894	580	933
191	0	0	19	28	21	60	0.31	0.46	0.35	878	570	916
194	0	0	19	27	21	59	0.32	0.47	0.36	885	570	923
198	0	0	16	23	18	55	0.30	0.41	0.32	842	560	879
202	0	0	18	26	21	58	0.31	0.45	0.35	886	560	925
205	0	0	19	27	21	59	0.31	0.45	0.35	884	560	922
209	0	0	19	27	21	60	0.32	0.45	0.35	886	550	925
212	0	0	19	27	21	60	0.32	0.45	0.35	895	560	934
216	0	0	16	20	16	49	0.34	0.41	0.33	799	560	834
220	0	0	19	24	19	54	0.34	0.45	0.35	861	560	898
223	0	0	18	26	20	60	0.30	0.43	0.34	889	560	928
227	0	0	20	27	21	60	0.33	0.45	0.35	889	560	928
230	0	0	19	27	21	62	0.31	0.43	0.34	898	560	937
234	0	0	19	26	21	61	0.31	0.42	0.34	894	570	933
238	0	0	18	27	21	61	0.30	0.44	0.35	896	590	935
241	0	0	19	26	20	59	0.33	0.44	0.34	885	570	923
245	0	0	18	24	19	54	0.34	0.44	0.34	856	570	893
248	0	0	18	27	21	59	0.31	0.46	0.35	882	570	920
252	0	0	16	20	16	51	0.31	0.39	0.32	804	580	839
256	0	0	17	22	18	55	0.30	0.40	0.33	844	560	881
259	0	0	18	23	17	48	0.37	0.47	0.35	824	560	860
263	0	0	19	24	19	55	0.34	0.45	0.35	865	600	903
266	0	0	19	24	19	55	0.34	0.44	0.34	858	610	895
270	0	0	19	25	20	58	0.32	0.43	0.35	885	620	923
274	0	0	19	26	21	59	0.32	0.44	0.35	891	620	930
277	0	0	19	26	21	59	0.32	0.44	0.36	901	630	940
281	0	0	19	25	19	57	0.33	0.43	0.34	871	650	909
284	0	0	18	26	20	56	0.33	0.46	0.35	872	670	910
288	0	0	19	25	19	53	0.36	0.47	0.35	853	690	890
E614785 :												
137	0	0	11	13	11	39	0.29	0.34	0.28	576	690	601
140	0	0	16	21	18	51	0.30	0.40	0.35	844	680	881
144	0	0	16	22	18	54	0.31	0.41	0.33	840	670	877
148	0	0	14	17	14	46	0.31	0.38	0.30	718	670	749
151	0	0	15	19	16	48	0.32	0.41	0.33	781	680	815

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
155	0	0	17	24	20	57	0.30	0.42	0.34	882	680	920
158	0	0	17	25	20	59	0.30	0.42	0.34	890	680	929
162	0	0	18	25	20	59	0.30	0.42	0.34	888	680	927
166	0	0	18	25	20	60	0.30	0.42	0.33	884	680	922
169	0	0	17	23	18	55	0.32	0.43	0.34	852	680	889
173	0	0	16	22	18	53	0.31	0.41	0.34	845	680	882
176	0	0	16	19	16	48	0.32	0.40	0.33	795	680	830
180	0	0	15	18	14	49	0.31	0.36	0.29	731	680	763
227	0	0	18	25	21	62	0.29	0.41	0.34	903	660	942
230	0	0	18	25	21	64	0.28	0.40	0.33	914	660	954
234	0	0	18	26	21	61	0.30	0.42	0.34	898	670	937
238	0	0	18	26	21	63	0.29	0.41	0.34	909	670	949
241	0	0	19	25	21	62	0.30	0.40	0.33	906	670	945
245	0	0	18	25	20	60	0.30	0.41	0.34	892	670	931
248	0	0	16	23	19	56	0.30	0.41	0.33	862	670	899
252	0	0	17	20	17	51	0.32	0.40	0.32	810	670	845
256	0	0	18	23	19	56	0.32	0.42	0.34	862	670	899
259	0	0	18	26	20	61	0.30	0.42	0.33	893	670	932
263	0	0	18	26	20	62	0.29	0.43	0.33	885	670	923
266	0	0	18	25	20	60	0.31	0.42	0.33	886	630	925
270	0	0	18	24	20	60	0.30	0.41	0.33	887	680	926
274	0	0	18	25	20	60	0.30	0.41	0.33	885	620	923
277	0	0	18	23	19	56	0.32	0.42	0.33	862	640	899
281	0	0	17	22	17	50	0.33	0.44	0.33	818	700	854
284	0	0	15	19	15	44	0.33	0.42	0.33	756	700	789
288	0	0	15	19	15	48	0.32	0.39	0.32	774	740	808
E614794 I												
58	0	0	19	31	23	64	0.30	0.48	0.35	872	730	910
61	0	0	19	30	22	65	0.29	0.46	0.34	884	720	922
65	0	0	20	29	22	63	0.31	0.46	0.35	890	720	929
68	0	0	19	30	22	64	0.29	0.47	0.34	880	740	918
72	0	0	19	29	22	64	0.30	0.45	0.35	897	780	936
76	0	0	19	30	22	64	0.30	0.48	0.35	874	860	912
79	0	0	19	31	22	64	0.29	0.48	0.35	861	960	898
83	0	0	19	31	23	63	0.31	0.49	0.36	869	1000	907
86	0	0	19	31	23	64	0.30	0.49	0.36	869	940	907
90	0	0	19	30	23	63	0.30	0.48	0.36	885	920	923
94	0	0	19	30	22	65	0.29	0.46	0.34	885	920	923
97	0	0	19	30	23	63	0.30	0.47	0.36	883	930	921
101	0	0	19	30	23	63	0.30	0.47	0.36	893	940	932
104	0	0	19	30	22	64	0.30	0.46	0.35	889	910	928
108	0	0	19	30	23	64	0.29	0.46	0.35	892	910	931
112	0	0	19	30	23	65	0.30	0.46	0.35	894	900	933
115	0	0	19	31	23	64	0.30	0.48	0.36	887	900	926
119	0	0	19	30	23	64	0.30	0.47	0.36	898	860	937
122	0	0	19	30	23	65	0.30	0.46	0.36	907	890	946
126	0	0	19	31	24	66	0.29	0.47	0.36	893	930	932
130	0	0	19	31	24	65	0.30	0.48	0.36	890	940	929
133	0	0	19	32	24	66	0.29	0.49	0.36	865	940	903
137	0	0	20	32	24	67	0.29	0.48	0.36	878	940	916
140	0	0	19	32	25	68	0.29	0.48	0.36	884	940	922
144	0	0	20	33	24	68	0.29	0.48	0.36	873	950	911
148	0	0	19	31	24	67	0.29	0.46	0.35	897	970	936
151	0	0	20	33	25	70	0.29	0.47	0.35	879	970	917

NORM.

EST.

PEEL

MEAS.

PEEL

EST.

PEEL

500/

BBAND

370/

BBAND

270/

BBAND

BROAD

BAND

500 K

370 K

270 K

INCLU

PHASE

ANGLE

155	0	0	20	33	25	70	0.28	0.47	0.35	882	980	920
158	0	0	20	33	25	69	0.29	0.48	0.36	870	1000	908
162	0	0	20	32	25	69	0.29	0.46	0.35	890	1020	929
166	0	0	20	33	24	68	0.29	0.49	0.36	867	1020	905
169	0	0	20	31	24	68	0.29	0.45	0.35	902	1030	941
173	0	0	19	31	24	67	0.29	0.46	0.35	898	960	937
176	0	0	19	29	22	64	0.30	0.45	0.35	895	840	934
180	0	0	19	28	22	62	0.30	0.45	0.36	907	780	946
252	0	0	19	26	21	59	0.31	0.43	0.35	892	900	931
256	0	0	18	24	19	55	0.32	0.43	0.34	862	920	899
259	0	0	17	24	19	54	0.32	0.45	0.36	871	940	909
263	0	0	18	28	22	63	0.29	0.45	0.35	900	950	939
266	0	0	18	27	22	62	0.29	0.43	0.34	907	940	946
270	0	0	19	26	21	61	0.31	0.42	0.34	902	920	941
274	0	0	19	27	21	60	0.32	0.45	0.35	888	880	927
277	0	0	19	26	21	60	0.32	0.44	0.35	892	900	931
281	0	0	19	27	22	63	0.30	0.43	0.35	906	890	945
284	0	0	18	27	22	63	0.29	0.43	0.34	907	880	946
288	0	0	19	26	21	63	0.29	0.42	0.34	908	830	947
292	0	0	18	26	21	60	0.31	0.43	0.35	894	800	933
295	0	0	15	20	17	53	0.29	0.38	0.32	811	790	846
299	0	0	17	21	17	52	0.32	0.41	0.34	831	790	867
302	0	0	18	27	22	62	0.30	0.43	0.35	907	780	946
306	0	0	19	28	22	63	0.30	0.44	0.34	899	780	938
310	0	0	19	25	21	61	0.31	0.41	0.35	906	780	945
313	0	0	18	27	22	63	0.29	0.43	0.35	911	770	951
317	0	0	19	27	22	63	0.30	0.43	0.35	914	760	954
320	0	0	19	26	21	61	0.31	0.43	0.34	891	730	930
324	0	0	18	27	21	62	0.30	0.44	0.34	896	740	935
328	0	0	18	27	22	62	0.30	0.43	0.35	905	740	944
331	0	0	17	24	20	58	0.30	0.42	0.35	887	740	926
335	0	0	19	27	22	62	0.30	0.44	0.35	906	740	945
338	0	0	19	28	22	63	0.30	0.45	0.35	895	740	934
342	0	0	19	28	22	62	0.30	0.46	0.35	893	740	932
346	0	0	18	28	21	62	0.30	0.46	0.34	885	740	923
349	0	0	19	28	22	62	0.31	0.45	0.35	900	740	939
E614981 :												
65	0	0	20	27	20	58	0.35	0.46	0.35	875	540	913
68	0	0	20	25	20	57	0.34	0.44	0.34	872	530	910
72	0	0	21	26	20	59	0.35	0.44	0.34	883	510	921
76	0	0	20	27	21	63	0.32	0.43	0.34	895	480	934
79	0	0	20	27	21	62	0.33	0.44	0.34	892	470	931
83	0	0	20	28	22	64	0.32	0.45	0.34	895	470	934
86	0	0	20	28	21	61	0.33	0.45	0.35	890	510	929
90	0	0	20	29	22	63	0.32	0.46	0.35	886	480	925
94	0	0	21	29	22	64	0.32	0.45	0.34	887	480	926
97	0	0	20	28	22	63	0.32	0.45	0.34	893	500	932
101	0	0	21	28	22	64	0.32	0.43	0.34	903	550	942
104	0	0	20	28	22	64	0.32	0.44	0.35	902	540	941
108	0	0	21	27	21	61	0.34	0.44	0.35	898	530	937
180	0	0	20	29	23	66	0.31	0.44	0.35	920	430	960
184	0	0	20	30	24	66	0.31	0.44	0.36	924	430	964
187	0	0	20	28	23	64	0.31	0.43	0.35	920	430	960
191	0	0	20	28	22	64	0.31	0.44	0.35	911	450	951

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
194	0	0	20	27	22	63	0.32	0.44	0.34	900	480	939
198	0	0	20	27	21	60	0.33	0.45	0.35	890	490	929
252	0	0	20	28	21	62	0.32	0.44	0.33	881	440	919
256	0	0	20	27	20	62	0.33	0.44	0.33	883	440	921
259	0	0	20	28	20	62	0.33	0.44	0.33	875	440	913
263	0	0	20	26	20	62	0.32	0.42	0.33	886	440	925
266	0	0	19	27	20	61	0.32	0.44	0.32	864	440	902
270	0	0	19	27	19	59	0.33	0.46	0.33	852	440	889
274	0	0	19	26	19	58	0.33	0.46	0.33	858	440	895
277	0	0	19	26	19	59	0.33	0.45	0.33	859	440	896
281	0	0	20	26	19	57	0.34	0.45	0.33	850	440	887
284	0	0	19	25	19	56	0.34	0.45	0.33	854	440	891
288	0	0	19	25	19	56	0.35	0.45	0.33	852	440	889
292	0	0	19	26	19	56	0.34	0.47	0.33	842	440	879
295	0	0	19	26	19	58	0.33	0.44	0.32	854	440	891
299	0	0	19	26	20	57	0.33	0.45	0.34	866	440	904
302	0	0	19	26	19	56	0.35	0.47	0.34	855	440	892
306	0	0	19	26	19	55	0.35	0.47	0.34	849	440	886
310	0	0	19	24	18	52	0.37	0.47	0.35	842	450	879
313	0	0	20	26	19	54	0.36	0.47	0.35	852	460	889
317	0	0	19	25	18	53	0.35	0.47	0.34	838	460	874
320	0	0	19	25	18	53	0.36	0.47	0.34	836	460	872
324	0	0	19	24	18	51	0.37	0.47	0.34	831	470	867
328	0	0	19	23	17	51	0.36	0.45	0.34	828	470	864
331	0	0	19	23	18	51	0.37	0.46	0.35	837	470	873
335	0	0	19	26	19	54	0.36	0.47	0.34	846	470	883
338	0	0	19	26	19	54	0.36	0.49	0.35	843	460	880
342	0	0	19	26	19	54	0.36	0.48	0.35	847	460	884
346	0	0	16	20	15	49	0.32	0.42	0.32	780	460	814
349	0	0	19	25	19	53	0.35	0.47	0.35	851	450	888
353	0	0	19	26	19	56	0.34	0.47	0.34	850	460	887
356	0	0	20	27	20	58	0.34	0.47	0.34	856	460	893
360	0	0	20	27	20	59	0.33	0.46	0.34	864	460	902
E614984 :												
43	0	0	13	16	13	48	0.28	0.32	0.26	666	570	695
47	0	0	13	15	12	46	0.29	0.33	0.26	641	590	669
50	0	0	13	14	12	47	0.27	0.31	0.25	622	590	649
54	0	0	12	14	11	46	0.26	0.30	0.24	604	590	630
58	0	0	12	14	11	46	0.25	0.29	0.24	586	580	611
61	0	0	11	13	10	44	0.25	0.30	0.24	568	580	593
65	0	0	11	13	10	43	0.25	0.30	0.24	555	580	579
68	0	0	12	14	11	43	0.27	0.32	0.25	587	580	613
72	0	0	12	13	11	44	0.27	0.30	0.24	566	580	591
76	0	0	12	13	11	45	0.26	0.29	0.24	564	570	589
79	0	0	10	13	10	42	0.24	0.30	0.24	537	570	560
83	0	0	9	12	9	38	0.24	0.32	0.23	494	570	515
86	0	0	10	12	10	43	0.24	0.29	0.23	529	580	552
90	0	0	9	12	9	44	0.19	0.26	0.20	494	590	515
133	0	0	9	12	9	37	0.25	0.33	0.25	512	750	534
137	0	0	11	13	11	48	0.24	0.27	0.22	571	750	596
140	0	0	12	14	11	49	0.24	0.28	0.22	590	750	616
144	0	0	12	13	11	49	0.24	0.27	0.22	579	750	604
148	0	0	11	13	11	47	0.24	0.28	0.23	577	730	602
151	0	0	11	13	10	45	0.24	0.28	0.22	546	720	570

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
155	0	0	11	13	10	47	0.24	0.28	0.22	563	710	587
158	0	0	11	14	11	48	0.24	0.28	0.23	584	670	609
162	0	0	12	14	11	47	0.24	0.29	0.23	582	640	607
166	0	0	12	14	11	47	0.25	0.29	0.23	593	640	619
169	0	0	12	14	11	46	0.26	0.30	0.24	596	630	622
173	0	0	12	14	12	47	0.26	0.30	0.25	620	630	647
176	0	0	12	15	12	46	0.27	0.32	0.26	627	630	654
180	0	0	12	14	12	47	0.26	0.30	0.24	612	630	639
184	0	0	12	14	11	46	0.26	0.30	0.24	590	630	616
187	0	0	12	13	11	46	0.25	0.29	0.23	575	640	600
191	0	0	11	13	11	44	0.26	0.29	0.24	562	640	586
194	0	0	11	13	10	43	0.26	0.29	0.23	540	630	563
198	0	0	10	12	10	41	0.25	0.29	0.23	515	640	537
202	0	0	10	12	9	41	0.25	0.29	0.23	504	640	526
205	0	0	9	11	9	42	0.21	0.27	0.22	486	640	507
209	0	0	9	12	9	41	0.23	0.29	0.23	500	640	522
212	0	0	10	12	10	41	0.25	0.30	0.24	529	630	552
216	0	0	11	13	10	41	0.28	0.31	0.25	549	630	573
220	0	0	12	13	11	43	0.28	0.30	0.25	571	630	596
223	0	0	12	14	12	41	0.30	0.34	0.28	611	630	638
227	0	0	12	13	11	39	0.31	0.34	0.28	586	630	611
230	0	0	12	14	11	39	0.31	0.35	0.29	601	630	627
234	0	0	12	14	11	39	0.31	0.37	0.30	616	620	643
238	0	0	13	15	12	40	0.32	0.37	0.30	636	620	664
241	0	0	13	15	12	40	0.32	0.38	0.30	645	620	673
245	0	0	12	14	12	39	0.32	0.37	0.30	624	620	651
248	0	0	12	14	11	39	0.30	0.37	0.29	610	630	637
E614997 :												
47	0	0	18	19	16	55	0.33	0.34	0.30	792	730	826
50	0	0	16	17	15	54	0.30	0.31	0.28	744	750	776
54	0	0	18	19	16	51	0.35	0.37	0.31	791	720	825
58	0	0	17	17	15	51	0.33	0.34	0.30	756	730	789
61	0	0	14	15	13	44	0.31	0.35	0.31	681	740	711
65	0	0	18	20	16	50	0.37	0.39	0.33	801	740	836
68	0	0	13	15	12	46	0.28	0.33	0.27	651	750	679
72	0	0	16	16	14	52	0.31	0.31	0.27	707	740	738
76	0	0	17	18	15	57	0.29	0.31	0.26	752	730	785
79	0	0	18	19	15	54	0.33	0.36	0.29	779	730	813
83	0	0	16	18	14	53	0.31	0.34	0.27	740	740	772
86	0	0	16	17	14	52	0.31	0.33	0.26	715	760	746
90	0	0	17	19	15	51	0.33	0.37	0.28	752	750	785
94	0	0	18	20	15	51	0.35	0.38	0.30	771	740	805
97	0	0	16	17	14	44	0.36	0.39	0.32	731	710	763
101	0	0	17	19	15	50	0.33	0.37	0.29	755	710	788
104	0	0	14	15	12	49	0.28	0.31	0.25	653	720	681
108	0	0	16	17	14	53	0.31	0.33	0.26	720	710	751
162	0	0	18	20	17	56	0.32	0.37	0.30	814	770	849
166	0	0	17	19	15	51	0.33	0.37	0.30	775	760	809
169	0	0	13	14	12	46	0.29	0.31	0.26	624	760	651
173	0	0	16	17	15	50	0.32	0.34	0.30	745	760	777
176	0	0	11	14	11	44	0.25	0.31	0.26	602	750	628
180	0	0	16	17	14	53	0.30	0.32	0.26	718	740	749
184	0	0	16	17	14	54	0.29	0.32	0.26	733	740	765
187	0	0	17	19	15	52	0.32	0.36	0.29	769	720	802

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
191	0	0	15	16	13	52	0.29	0.32	0.26	700	730	730
194	0	0	12	14	12	45	0.26	0.30	0.27	621	750	648
198	0	0	14	15	13	48	0.28	0.30	0.26	651	780	679
245	0	0	4	8	8	31	0.14	0.27	0.25	374	800	390
248	0	0	4	8	8	28	0.14	0.28	0.27	358	780	374
252	0	0	5	9	8	31	0.16	0.28	0.27	398	780	415
256	0	0	5	9	8	33	0.15	0.27	0.25	405	800	423
259	0	0	5	9	9	36	0.15	0.26	0.24	418	790	436
263	0	0	6	10	9	37	0.17	0.26	0.24	440	780	459
266	0	0	11	12	12	46	0.23	0.26	0.25	575	790	600
270	0	0	12	14	13	52	0.24	0.26	0.24	638	800	666
274	0	0	13	14	13	46	0.28	0.30	0.28	652	820	680
277	0	0	16	17	15	49	0.32	0.34	0.30	741	850	773
281	0	0	14	15	14	49	0.29	0.30	0.28	678	860	707
284	0	0	10	13	11	39	0.27	0.32	0.28	568	780	593
288	0	0	10	13	11	40	0.25	0.33	0.28	596	730	622
E615074 :												
4	0	0	20	31	23	66	0.30	0.46	0.34	882	520	920
7	0	0	19	31	23	67	0.29	0.46	0.34	884	520	922
11	0	0	20	31	23	68	0.30	0.45	0.34	890	520	929
14	0	0	20	31	23	69	0.29	0.45	0.34	890	520	929
18	0	0	20	32	24	69	0.29	0.47	0.34	871	550	909
22	0	0	20	33	24	69	0.29	0.47	0.35	868	560	906
270	0	0	20	30	23	65	0.31	0.47	0.36	899	520	938
274	0	0	19	28	22	62	0.31	0.45	0.36	913	480	953
277	0	0	18	26	21	56	0.32	0.46	0.37	888	480	927
281	0	0	18	27	21	57	0.32	0.47	0.37	891	480	930
284	0	0	17	23	19	59	0.29	0.39	0.33	872	470	910
288	0	0	19	29	22	58	0.32	0.49	0.38	892	460	931
292	0	0	19	29	23	63	0.31	0.45	0.37	913	460	953
295	0	0	19	28	23	63	0.30	0.44	0.36	916	460	956
299	0	0	19	28	23	62	0.31	0.45	0.36	913	460	953
302	0	0	19	27	22	60	0.32	0.45	0.36	904	460	943
306	0	0	19	28	22	59	0.33	0.46	0.37	907	460	946
310	0	0	18	26	21	56	0.33	0.47	0.37	890	460	929
313	0	0	17	24	20	54	0.32	0.45	0.37	885	460	923
317	0	0	19	28	23	63	0.30	0.45	0.36	912	480	952
320	0	0	17	25	20	56	0.31	0.45	0.36	888	480	927
324	0	0	19	29	23	63	0.31	0.46	0.36	912	480	952
328	0	0	19	28	22	62	0.31	0.46	0.37	904	480	943
331	0	0	20	29	23	64	0.31	0.46	0.36	907	470	946
335	0	0	20	29	23	63	0.31	0.45	0.37	917	470	957
338	0	0	19	30	22	63	0.31	0.47	0.36	887	480	926
342	0	0	19	28	21	60	0.32	0.47	0.36	881	500	919
346	0	0	19	28	21	62	0.30	0.45	0.33	881	520	919
349	0	0	17	24	19	55	0.31	0.43	0.34	865	520	903
353	0	0	19	31	23	65	0.30	0.47	0.35	881	520	919
356	0	0	15	22	18	55	0.27	0.40	0.32	840	520	877
360	0	0	19	29	22	62	0.31	0.47	0.35	888	520	927
E615772 :												
47	0	0	8	11	10	38	0.21	0.29	0.26	510	810	532
50	0	0	9	12	11	41	0.22	0.30	0.26	548	790	572
54	0	0	11	14	12	43	0.25	0.32	0.28	614	800	641
58	0	0	12	14	12	45	0.27	0.30	0.27	620	760	647

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
61	0	0	14	14	13	46	0.31	0.31	0.27	643	770	671
65	0	0	14	15	13	49	0.30	0.31	0.26	664	770	693
68	0	0	14	15	13	47	0.30	0.31	0.27	663	760	692
72	0	0	14	14	13	46	0.30	0.31	0.27	645	760	673
76	0	0	14	15	14	50	0.29	0.31	0.27	687	760	717
79	0	0	14	15	13	47	0.29	0.31	0.28	669	760	698
83	0	0	11	12	12	43	0.26	0.28	0.27	571	710	596
86	0	0	13	14	12	47	0.28	0.29	0.26	621	710	648
90	0	0	12	14	12	44	0.28	0.33	0.28	644	720	672
94	0	0	12	14	12	44	0.27	0.32	0.27	619	710	646
97	0	0	14	15	13	47	0.30	0.31	0.27	656	700	685
101	0	0	14	15	13	47	0.29	0.32	0.27	658	700	687
104	0	0	13	15	13	48	0.28	0.32	0.28	682	700	712
108	0	0	13	15	13	47	0.27	0.32	0.27	664	700	693
112	0	0	15	16	14	50	0.29	0.32	0.27	702	680	733
115	0	0	14	15	13	49	0.28	0.31	0.27	675	670	704
119	0	0	13	14	12	45	0.28	0.31	0.27	625	660	652
122	0	0	13	14	12	47	0.28	0.31	0.27	642	660	670
126	0	0	12	14	12	44	0.26	0.33	0.27	629	660	656
130	0	0	14	15	13	50	0.27	0.30	0.25	656	690	685
F618589 :												
90	0	0	19	25	19	57	0.34	0.44	0.33	861	430	898
94	0	0	19	27	20	60	0.32	0.45	0.33	858	410	895
97	0	0	20	27	20	60	0.33	0.46	0.33	859	410	896
101	0	0	19	27	20	60	0.32	0.45	0.33	861	400	898
104	0	0	19	25	18	57	0.32	0.44	0.32	848	400	885
108	0	0	19	26	19	58	0.33	0.46	0.34	861	400	898
112	0	0	19	27	19	59	0.32	0.45	0.33	860	400	897
115	0	0	19	27	19	59	0.32	0.45	0.32	850	390	887
119	0	0	19	26	19	58	0.32	0.45	0.32	848	390	885
122	0	0	16	22	16	53	0.31	0.41	0.31	801	390	836
126	0	0	18	23	17	53	0.33	0.43	0.33	825	380	861
130	0	0	19	25	18	56	0.34	0.45	0.33	843	380	880
133	0	0	19	24	17	54	0.34	0.44	0.32	832	380	868
137	0	0	19	23	17	53	0.35	0.44	0.32	822	380	858
140	0	0	19	23	17	52	0.36	0.44	0.33	829	380	865
144	0	0	19	25	18	55	0.34	0.45	0.33	842	380	879
148	0	0	18	23	17	53	0.35	0.44	0.33	830	380	866
151	0	0	18	23	17	51	0.36	0.45	0.34	822	380	858
155	0	0	18	21	17	50	0.36	0.42	0.33	811	390	846
158	0	0	15	18	14	53	0.29	0.35	0.27	747	390	779
252	0	0	19	26	20	59	0.32	0.43	0.33	871	500	909
256	0	0	19	27	20	61	0.31	0.44	0.32	868	480	906
259	0	0	19	27	20	59	0.32	0.45	0.33	869	470	907
263	0	0	19	27	20	60	0.32	0.45	0.33	864	450	902
266	0	0	19	26	20	61	0.31	0.43	0.33	872	450	910
270	0	0	19	27	19	59	0.32	0.45	0.33	859	510	896
274	0	0	18	23	17	55	0.32	0.42	0.31	827	480	863
277	0	0	18	22	17	55	0.33	0.41	0.31	827	480	863
281	0	0	19	25	18	56	0.33	0.44	0.32	842	470	879
284	0	0	19	24	18	56	0.33	0.43	0.32	840	470	877
288	0	0	19	23	18	55	0.35	0.42	0.32	835	470	871
292	0	0	19	23	17	54	0.34	0.42	0.32	832	460	868
295	0	0	19	23	17	54	0.34	0.43	0.32	830	460	866

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD 270/ 370/ 500/				EST.	MEAS.	NORM.
						BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST. PEEL
299	0	0	18	23	17	55	0.34	0.42	0.32	831	460	867
302	0	0	18	22	16	53	0.34	0.41	0.31	810	460	845
306	0	0	19	24	18	55	0.34	0.43	0.32	836	460	872
310	0	0	19	24	17	56	0.33	0.43	0.31	829	460	865
313	0	0	19	24	17	57	0.33	0.43	0.30	824	460	860
317	0	0	19	25	18	58	0.32	0.44	0.31	834	460	870
320	0	0	19	26	18	59	0.32	0.44	0.31	841	460	878
324	0	0	19	26	18	59	0.32	0.44	0.31	839	450	875
328	0	0	19	26	19	58	0.33	0.45	0.32	846	450	883
331	0	0	19	27	19	60	0.32	0.44	0.32	855	460	892
335	0	0	19	27	20	61	0.32	0.44	0.32	867	470	905
338	0	0	19	26	19	61	0.32	0.43	0.32	859	490	896
F618661 :												
54	0	0	11	15	11	38	0.29	0.39	0.29	614	670	641
58	0	0	10	14	10	43	0.23	0.32	0.24	572	650	597
61	0	0	13	16	12	42	0.31	0.38	0.29	658	660	687
65	0	0	15	18	13	44	0.33	0.41	0.30	706	660	737
68	0	0	12	17	11	42	0.28	0.40	0.27	632	660	659
72	0	0	14	19	14	46	0.31	0.41	0.30	730	660	762
76	0	0	15	19	14	46	0.32	0.42	0.30	730	660	762
79	0	0	15	20	14	47	0.33	0.42	0.30	741	680	773
83	0	0	16	21	15	49	0.33	0.43	0.31	770	670	803
86	0	0	15	19	14	45	0.33	0.42	0.30	724	670	755
90	0	0	13	16	12	42	0.31	0.38	0.28	652	670	680
94	0	0	15	18	14	44	0.34	0.42	0.31	729	670	761
97	0	0	16	19	14	46	0.34	0.42	0.30	736	680	768
101	0	0	15	19	13	46	0.34	0.41	0.29	719	690	750
104	0	0	14	18	13	45	0.32	0.41	0.29	702	720	733
108	0	0	14	18	13	43	0.31	0.41	0.29	687	740	717
112	0	0	13	17	13	43	0.31	0.40	0.30	685	750	715
115	0	0	14	18	13	44	0.32	0.41	0.29	695	730	725
119	0	0	12	16	12	42	0.29	0.39	0.29	655	730	683
122	0	0	11	15	11	38	0.30	0.39	0.29	621	740	648
126	0	0	12	16	12	40	0.31	0.40	0.30	647	740	675
130	0	0	12	16	12	41	0.30	0.40	0.30	658	760	687
133	0	0	12	17	12	42	0.30	0.40	0.29	660	760	689
205	0	0	18	21	15	50	0.35	0.43	0.30	768	820	801
209	0	0	18	21	15	50	0.35	0.43	0.29	759	840	792
212	0	0	18	21	15	52	0.35	0.40	0.29	768	840	801
216	0	0	18	22	16	53	0.34	0.43	0.30	794	830	829
220	0	0	18	22	16	52	0.34	0.42	0.31	799	880	834
245	0	0	18	21	15	52	0.35	0.40	0.29	767	840	800
248	0	0	18	22	16	52	0.36	0.42	0.31	802	860	837
252	0	0	18	21	16	51	0.35	0.41	0.30	785	890	819
256	0	0	17	20	15	50	0.35	0.40	0.30	765	880	798
259	0	0	18	23	17	55	0.34	0.42	0.31	818	900	854
263	0	0	18	22	16	52	0.35	0.43	0.31	796	930	831
266	0	0	19	22	16	54	0.34	0.41	0.30	805	960	840
270	0	0	16	20	15	48	0.34	0.41	0.31	764	980	797
F618961 :												
104	0	0	17	21	16	52	0.33	0.41	0.31	804	530	839
108	0	0	17	20	15	52	0.33	0.38	0.29	780	540	814
112	0	0	16	19	15	55	0.29	0.34	0.27	766	470	799
115	0	0	16	18	14	54	0.29	0.33	0.27	743	460	775

NORM.

EST.

PEEL

MEAS.

PEEL

EST.

PEEL

500/

BBAND

370/

BBAND

270/

BBAND

BROAD

BAND

500 K

370 K

270 K

INCLU

PHASE

ANGLE

119	0	0	17	21	16	55	0.31	0.39	0.30	809	440	844
122	0	0	17	20	16	53	0.31	0.38	0.29	786	440	820
126	0	0	16	19	15	55	0.30	0.34	0.27	765	490	798
130	0	0	17	22	17	53	0.33	0.43	0.33	826	480	862
133	0	0	15	18	14	52	0.30	0.34	0.27	724	480	755
137	0	0	13	15	12	44	0.29	0.34	0.28	657	480	686
140	0	0	14	18	13	50	0.28	0.35	0.27	712	480	743
144	0	0	16	20	15	56	0.29	0.35	0.28	782	460	816
148	0	0	17	21	16	56	0.30	0.37	0.29	798	450	833
151	0	0	17	21	16	54	0.32	0.39	0.30	809	440	844
155	0	0	18	23	17	56	0.32	0.41	0.31	835	440	871
158	0	0	18	27	20	61	0.30	0.43	0.32	872	440	910
162	0	0	19	26	20	62	0.30	0.42	0.33	889	440	928
166	0	0	19	26	20	62	0.31	0.41	0.32	883	440	921
169	0	0	17	22	17	55	0.31	0.40	0.30	813	440	848
173	0	0	16	17	14	49	0.32	0.36	0.28	722	440	753
176	0	0	17	21	16	50	0.35	0.42	0.31	787	440	821
180	0	0	18	22	16	52	0.34	0.42	0.31	804	440	839
184	0	0	18	25	18	59	0.31	0.43	0.31	842	440	879
187	0	0	17	21	16	51	0.34	0.40	0.31	795	440	830
191	0	0	16	18	14	48	0.33	0.36	0.29	729	440	761
194	0	0	15	16	13	52	0.29	0.31	0.26	686	440	716
198	0	0	14	14	12	48	0.29	0.30	0.25	634	440	662
202	0	0	15	15	13	51	0.29	0.30	0.25	678	440	707
205	0	0	15	17	14	50	0.31	0.34	0.28	725	440	757
209	0	0	10	12	10	37	0.27	0.32	0.27	525	440	548
212	0	0	16	17	15	51	0.31	0.34	0.29	745	440	777
216	0	0	17	20	15	49	0.34	0.40	0.32	779	450	813
220	0	0	17	21	16	53	0.32	0.40	0.31	806	480	841
256	0	0	18	25	18	54	0.34	0.46	0.34	842	530	879
259	0	0	17	21	16	47	0.36	0.44	0.34	794	490	829
263	0	0	16	21	17	49	0.33	0.42	0.34	815	480	850
266	0	0	17	23	18	53	0.32	0.42	0.33	841	470	878
270	0	0	17	19	16	51	0.33	0.38	0.31	783	460	817
274	0	0	16	19	16	51	0.32	0.37	0.30	777	460	811
277	0	0	15	15	14	52	0.29	0.29	0.27	695	460	725
281	0	0	9	11	9	38	0.24	0.29	0.25	495	460	517
284	0	0	14	17	15	47	0.29	0.37	0.31	741	470	773
288	0	0	16	19	16	55	0.29	0.35	0.28	781	520	815
292	0	0	16	19	16	47	0.35	0.41	0.33	786	580	820
295	0	0	16	17	15	45	0.36	0.39	0.33	743	600	775
299	0	0	16	16	14	47	0.33	0.35	0.30	720	610	751
302	0	0	16	18	15	46	0.34	0.39	0.32	742	580	774
306	0	0	17	19	15	46	0.36	0.41	0.33	776	540	810
310	0	0	17	18	15	46	0.36	0.39	0.32	756	540	789
F619343 :												
166	0	0	12	14	12	46	0.26	0.30	0.27	628	600	655
169	0	0	9	11	10	41	0.22	0.27	0.25	519	610	542
173	0	0	7	10	9	36	0.21	0.29	0.25	468	640	488
176	0	0	11	13	12	40	0.26	0.33	0.30	613	700	640
180	0	0	10	12	12	43	0.22	0.29	0.27	586	690	611
184	0	0	13	14	13	49	0.26	0.29	0.27	661	680	690
187	0	0	14	14	13	54	0.25	0.26	0.25	667	660	696
191	0	0	11	13	12	47	0.22	0.28	0.26	606	660	632

						BROAD	270/	370/	500/	EST.	MEAS.	NORM.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND	PEEL	PEEL	EST.
194	0	0	12	14	13	47	0.25	0.30	0.27	638	580	666
198	0	0	11	12	11	48	0.23	0.25	0.24	572	500	597
202	0	0	11	12	11	46	0.23	0.25	0.24	560	500	584
205	0	0	7	10	9	36	0.20	0.27	0.26	454	500	474
209	0	0	4	7	6	23	0.16	0.31	0.27	306	490	319
212	0	0	4	8	7	28	0.15	0.29	0.25	351	480	366
216	0	0	3	7	7	26	0.13	0.28	0.26	310	480	323
220	0	0	7	10	9	38	0.19	0.26	0.24	455	480	475
223	0	0	7	10	9	37	0.18	0.27	0.25	462	480	482
227	0	0	4	8	7	28	0.13	0.29	0.26	354	470	369
230	0	0	4	9	8	29	0.15	0.29	0.27	391	470	408
234	0	0	7	10	10	38	0.19	0.26	0.26	467	470	487
238	0	0	7	10	9	39	0.19	0.25	0.24	459	470	479
241	0	0	4	8	6	24	0.15	0.32	0.25	314	470	328
245	0	0	5	8	7	28	0.16	0.28	0.25	337	470	352
248	0	0	4	9	8	29	0.15	0.32	0.26	395	480	412
252	0	0	5	8	7	30	0.15	0.27	0.24	357	480	373
256	0	0	7	10	9	36	0.20	0.27	0.26	449	480	469
259	0	0	9	10	10	43	0.20	0.24	0.24	500	480	522
263	0	0	5	9	8	32	0.17	0.30	0.26	416	480	434
266	0	0	6	10	8	35	0.17	0.28	0.24	423	480	441
270	0	0	5	9	7	32	0.15	0.28	0.24	376	480	392
274	0	0	5	9	7	29	0.16	0.30	0.25	367	490	383
277	0	0	5	9	8	30	0.16	0.29	0.26	382	490	399
281	0	0	7	9	9	36	0.20	0.25	0.25	425	490	443
284	0	0	7	10	10	38	0.20	0.26	0.26	468	490	488
288	0	0	9	10	11	42	0.22	0.25	0.25	508	510	530
292	0	0	14	15	13	49	0.28	0.30	0.27	670	510	699
295	0	0	13	13	12	55	0.24	0.23	0.22	615	500	642
299	0	0	11	12	12	49	0.23	0.24	0.24	571	500	596
302	0	0	11	13	12	43	0.25	0.31	0.28	615	510	642
306	0	0	13	15	14	50	0.27	0.29	0.28	687	520	717
310	0	0	12	16	14	44	0.27	0.36	0.31	704	520	735
313	0	0	9	13	11	35	0.27	0.37	0.31	584	520	609
317	0	0	9	12	12	44	0.21	0.27	0.26	573	500	598
320	0	0	11	13	12	43	0.25	0.30	0.28	607	510	633
324	0	0	9	11	11	47	0.20	0.24	0.24	543	520	567
328	0	0	6	10	9	36	0.18	0.28	0.26	459	520	479
331	0	0	11	12	11	45	0.23	0.26	0.24	552	540	576
335	0	0	8	10	9	37	0.23	0.28	0.25	459	530	479
338	0	0	11	12	10	39	0.27	0.31	0.27	536	530	559
342	0	0	11	13	11	42	0.27	0.31	0.27	585	520	610
F619348 :												
137	0	0	18	27	23	61	0.30	0.44	0.37	922	760	962
140	0	0	18	25	20	53	0.34	0.47	0.37	881	780	919
144	0	0	18	27	20	51	0.34	0.52	0.39	870	800	908
148	0	0	18	26	20	52	0.35	0.50	0.39	886	740	925
151	0	0	18	26	20	54	0.33	0.48	0.38	887	740	926
155	0	0	19	27	22	61	0.31	0.45	0.37	912	740	952
158	0	0	19	27	23	63	0.30	0.43	0.37	929	720	969
162	0	0	19	28	22	59	0.32	0.47	0.37	905	680	944
166	0	0	20	30	24	65	0.30	0.46	0.37	913	660	953
169	0	0	19	29	23	64	0.30	0.46	0.36	908	660	947
173	0	0	19	29	23	63	0.30	0.46	0.36	904	680	943

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
176	0	0	19	29	23	63	0.30	0.46	0.36	901	700	940
180	0	0	19	31	24	64	0.30	0.48	0.37	900	710	939
184	0	0	19	30	23	64	0.30	0.47	0.36	897	710	936
187	0	0	19	29	23	63	0.30	0.46	0.36	906	710	945
191	0	0	19	31	24	66	0.29	0.47	0.36	896	750	935
194	0	0	19	31	24	66	0.29	0.47	0.36	895	790	934
320	0	0	19	30	24	67	0.29	0.45	0.35	911	640	951
324	0	0	20	30	24	67	0.29	0.45	0.36	911	620	951
328	0	0	19	29	22	65	0.30	0.45	0.34	887	620	926
331	0	0	19	30	24	67	0.29	0.45	0.36	913	620	953
335	0	0	19	32	24	67	0.29	0.47	0.36	895	620	934
338	0	0	20	32	24	68	0.29	0.46	0.36	897	620	936
342	0	0	20	33	25	68	0.30	0.49	0.36	865	620	903
346	0	0	19	31	25	68	0.28	0.46	0.37	913	620	953
349	0	0	19	31	24	66	0.29	0.46	0.36	899	620	938
353	0	0	19	30	24	66	0.29	0.46	0.37	914	620	954
F619349 :												
281	25	0	19	31	25	72	0.26	0.44	0.35	919	600	959
284	23	0	19	31	24	69	0.28	0.46	0.35	900	600	939
288	14	0	20	32	25	72	0.27	0.44	0.35	916	600	956
292	0	0	19	31	24	68	0.28	0.46	0.36	908	600	947
295	1	0	19	31	24	66	0.29	0.46	0.36	908	600	947
299	1	0	20	31	25	69	0.29	0.46	0.36	910	600	950
302	0	0	19	31	25	69	0.28	0.45	0.36	908	600	947
306	0	0	20	32	24	69	0.28	0.47	0.35	886	600	925
310	0	0	20	32	24	71	0.28	0.46	0.35	887	600	926
313	0	0	20	32	25	69	0.29	0.46	0.35	893	590	932
317	0	0	20	31	24	68	0.29	0.46	0.36	904	600	943
320	0	0	20	32	25	69	0.29	0.46	0.36	901	600	940
324	0	0	20	30	25	68	0.29	0.44	0.36	932	600	973
328	0	0	19	30	25	67	0.29	0.45	0.37	923	590	963
331	0	0	19	31	25	68	0.28	0.45	0.36	919	590	959
335	0	0	19	31	25	67	0.29	0.46	0.37	914	580	954
338	0	0	20	31	24	67	0.30	0.47	0.37	903	580	942
F619350 :												
47	0	0	15	20	17	50	0.31	0.40	0.34	818	500	854
50	0	0	17	23	20	55	0.30	0.41	0.36	883	570	921
54	0	0	17	22	20	56	0.30	0.40	0.35	883	570	921
58	0	0	16	21	18	54	0.30	0.38	0.34	848	560	885
61	0	0	17	21	20	57	0.29	0.37	0.35	888	560	927
65	0	0	17	24	21	56	0.31	0.42	0.37	899	560	938
68	0	0	15	18	16	51	0.30	0.35	0.31	769	560	802
72	0	0	13	18	15	48	0.28	0.37	0.32	760	560	793
76	0	0	16	23	20	59	0.28	0.39	0.34	890	560	929
79	0	0	14	18	16	50	0.28	0.36	0.31	769	560	802
83	0	0	16	20	17	57	0.28	0.35	0.30	827	560	863
86	0	0	16	22	19	54	0.29	0.41	0.35	868	570	906
90	0	0	17	26	22	60	0.29	0.44	0.37	916	570	956
94	0	0	17	26	21	59	0.29	0.43	0.36	909	570	949
97	0	0	18	26	21	60	0.30	0.44	0.35	904	570	943
101	0	0	18	28	22	61	0.29	0.47	0.37	903	570	942
104	0	0	18	27	22	62	0.29	0.44	0.36	910	570	950
108	0	0	18	26	21	59	0.30	0.44	0.35	895	580	934
112	0	0	17	26	21	59	0.29	0.43	0.36	906	580	945

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD			EST.	MEAS.	NORM.	
						BAND	270/ BBAND	370/ BBAND	500/ BBAND		PEEL	EST. PEEL
115	0	0	17	24	21	59	0.29	0.42	0.35	902	580	941
119	0	0	18	26	21	60	0.29	0.43	0.36	908	590	947
122	0	0	18	27	23	63	0.28	0.43	0.36	927	640	967
126	0	0	18	26	21	59	0.30	0.43	0.36	904	740	943
130	0	0	17	25	22	59	0.29	0.43	0.37	913	800	953
133	0	0	16	23	20	61	0.26	0.37	0.33	898	830	937
137	0	0	17	25	22	62	0.27	0.40	0.35	919	820	959
140	0	0	17	25	22	60	0.28	0.41	0.37	929	820	969
144	0	0	17	26	23	63	0.27	0.42	0.37	935	800	976
148	0	0	17	28	24	64	0.27	0.43	0.37	937	790	978
151	0	0	17	28	23	62	0.28	0.45	0.37	915	790	955
155	0	0	17	26	22	60	0.29	0.44	0.36	910	800	950
158	0	0	18	29	24	67	0.27	0.43	0.36	930	820	970
162	0	0	18	29	25	68	0.27	0.42	0.37	947	800	988
166	0	0	19	29	25	69	0.27	0.43	0.36	942	800	983
169	0	0	18	29	24	66	0.27	0.44	0.36	927	780	967
173	0	0	18	27	24	63	0.28	0.43	0.37	937	690	978
176	0	0	17	26	23	60	0.29	0.43	0.38	929	630	969
180	0	0	17	26	23	61	0.28	0.43	0.37	926	590	966
184	0	0	17	26	22	62	0.27	0.42	0.35	917	590	957
187	0	0	16	23	19	58	0.27	0.39	0.33	878	590	916
191	0	0	16	24	21	62	0.26	0.39	0.34	915	590	955
194	0	0	17	25	22	62	0.27	0.40	0.35	922	590	962
198	0	0	16	24	21	61	0.26	0.40	0.35	913	590	953
202	0	0	16	21	18	56	0.29	0.38	0.32	843	600	880
205	0	0	17	23	19	55	0.31	0.42	0.34	864	650	902
209	0	0	17	25	20	56	0.30	0.44	0.36	890	720	929
212	0	0	15	19	16	52	0.29	0.37	0.30	789	780	823
216	0	0	14	16	14	52	0.27	0.31	0.27	712	850	743
220	0	0	15	19	17	55	0.28	0.36	0.31	816	880	851
223	0	0	15	20	18	55	0.27	0.37	0.32	834	870	870
227	0	0	16	20	18	57	0.28	0.35	0.31	833	860	869
263	0	0	8	9	10	35	0.24	0.25	0.28	457	640	477
266	0	0	10	10	10	39	0.25	0.25	0.27	487	620	508
270	0	0	10	10	10	41	0.24	0.24	0.25	479	620	500
274	0	0	12	11	12	46	0.25	0.25	0.26	574	620	599
277	0	0	15	18	17	52	0.28	0.34	0.32	800	630	835
281	0	0	15	19	17	54	0.28	0.35	0.32	818	680	854
284	0	0	14	17	16	48	0.30	0.35	0.32	757	720	790
288	0	0	15	21	18	52	0.30	0.40	0.35	843	750	880
292	0	0	15	20	17	50	0.30	0.40	0.34	818	730	854
295	0	0	12	15	13	43	0.27	0.34	0.29	656	700	685
F619351 :												
43	0	0	13	16	13	43	0.29	0.37	0.30	682	660	712
47	0	0	14	18	16	49	0.30	0.37	0.32	776	650	810
50	0	0	14	16	14	49	0.28	0.32	0.29	710	660	741
54	0	0	14	17	15	49	0.29	0.35	0.32	755	700	788
270	0	0	10	12	12	43	0.24	0.28	0.27	582	480	607
274	0	0	10	15	12	42	0.25	0.35	0.30	646	490	674
277	0	0	11	16	14	45	0.25	0.35	0.30	695	490	725
281	0	0	5	7	7	28	0.18	0.26	0.26	328	500	342
284	0	0	10	11	11	41	0.23	0.27	0.27	539	510	562
288	0	0	12	12	12	46	0.25	0.27	0.27	596	520	622
292	0	0	13	14	14	51	0.26	0.28	0.28	685	520	715

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
295	0	0	13	14	14	50	0.26	0.27	0.27	663	540	692
299	0	0	13	15	16	55	0.25	0.27	0.28	728	540	760
302	0	0	11	13	13	45	0.24	0.29	0.28	623	560	650
306	0	0	12	13	13	47	0.25	0.28	0.28	637	560	665
310	0	0	11	13	12	47	0.25	0.28	0.26	611	600	638
313	0	0	9	11	10	39	0.22	0.28	0.26	509	600	531
317	0	0	8	10	10	37	0.21	0.27	0.27	492	600	513
320	0	0	12	14	13	51	0.24	0.28	0.27	663	600	692
324	0	0	12	13	13	49	0.25	0.26	0.27	626	600	653
328	0	0	14	16	15	54	0.26	0.29	0.28	730	600	762
331	0	0	14	17	15	55	0.26	0.30	0.28	752	600	785
335	0	0	14	15	14	57	0.25	0.26	0.25	701	590	731
338	0	0	14	17	16	55	0.26	0.30	0.29	770	590	803
342	0	0	14	15	15	52	0.27	0.29	0.29	713	600	744
346	0	0	15	18	16	51	0.29	0.35	0.31	767	600	800
349	0	0	13	15	15	49	0.26	0.31	0.31	717	590	748
353	0	0	11	13	13	47	0.23	0.28	0.28	634	590	662
F619354 :												
32	0	0	9	12	11	37	0.25	0.34	0.29	556	550	580
36	0	0	9	12	11	37	0.25	0.34	0.29	563	630	587
40	0	0	10	13	11	39	0.26	0.35	0.29	596	660	622
43	0	0	9	12	10	33	0.27	0.37	0.30	545	660	569
47	0	0	10	13	10	36	0.27	0.35	0.29	557	660	581
50	0	0	10	13	11	35	0.28	0.37	0.30	570	660	595
54	0	0	9	12	10	38	0.24	0.31	0.27	540	650	563
58	0	0	3	7	7	23	0.15	0.31	0.29	314	630	328
61	0	0	9	10	10	41	0.21	0.25	0.25	491	620	512
65	0	0	9	11	10	42	0.21	0.25	0.25	510	620	532
68	0	0	9	11	11	46	0.20	0.25	0.23	529	600	552
72	0	0	6	9	8	33	0.19	0.29	0.25	420	600	438
76	0	0	6	10	8	34	0.18	0.28	0.25	429	580	448
79	0	0	9	11	10	43	0.21	0.26	0.24	514	590	536
83	0	0	5	9	7	31	0.17	0.30	0.24	383	590	400
86	0	0	7	10	9	35	0.19	0.30	0.26	459	600	479
90	0	0	6	10	8	31	0.20	0.31	0.27	426	590	445
140	0	0	7	10	9	33	0.20	0.29	0.26	433	740	452
144	0	0	8	11	10	35	0.23	0.31	0.28	499	750	521
148	0	0	5	9	8	29	0.17	0.29	0.26	379	760	395
151	0	0	4	7	6	25	0.16	0.30	0.26	311	740	325
155	0	0	5	8	7	29	0.17	0.26	0.24	318	740	332
158	0	0	8	10	9	37	0.23	0.27	0.24	447	740	466
162	0	0	6	8	8	33	0.20	0.26	0.23	368	740	384
166	0	0	2	5	4	17	0.12	0.28	0.24	154	740	161
169	0	0	5	8	7	27	0.18	0.28	0.26	333	740	347
173	0	0	4	7	6	24	0.16	0.30	0.26	294	720	307
176	0	0	4	8	6	23	0.17	0.34	0.28	327	720	341
180	0	0	6	8	7	33	0.19	0.25	0.22	339	700	354
184	0	0	5	8	7	26	0.19	0.31	0.26	341	700	356
187	0	0	3	7	6	22	0.15	0.32	0.26	271	700	283
191	0	0	4	7	6	23	0.16	0.32	0.26	284	700	296
194	1	0	3	7	6	21	0.15	0.33	0.26	274	690	286
198	0	0	4	7	6	22	0.17	0.33	0.27	292	700	305
202	0	0	3	7	6	22	0.16	0.30	0.26	266	710	278
205	0	0	8	10	9	38	0.21	0.25	0.24	444	720	463

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
209	0	0	6	9	9	32	0.18	0.27	0.26	409	720	427
212	0	0	7	9	9	37	0.19	0.26	0.24	437	720	456
216	0	0	10	12	11	45	0.22	0.26	0.24	557	720	581
220	0	0	9	11	10	43	0.21	0.26	0.24	515	720	537
223	0	0	9	12	10	45	0.21	0.26	0.23	532	730	555
227	0	0	8	10	9	39	0.21	0.26	0.23	459	750	479
230	0	0	10	12	10	44	0.23	0.27	0.23	531	770	554
234	0	0	8	11	10	43	0.19	0.26	0.23	507	810	529
238	0	0	4	9	7	29	0.16	0.30	0.24	347	830	362
313	0	0	9	11	9	36	0.24	0.30	0.26	485	640	506
317	0	0	9	12	10	34	0.26	0.36	0.29	527	620	550
320	0	0	10	13	11	38	0.27	0.35	0.28	571	620	596
324	0	0	11	15	11	41	0.27	0.36	0.28	619	620	646
328	0	0	12	15	12	46	0.27	0.34	0.27	650	610	678
331	0	0	11	14	11	42	0.26	0.32	0.26	583	610	608
335	0	0	13	15	11	49	0.25	0.30	0.23	620	610	647
338	0	0	14	16	13	51	0.28	0.31	0.25	669	600	698
342	0	0	14	17	13	48	0.28	0.34	0.26	674	600	703
346	0	0	12	15	11	45	0.26	0.33	0.25	611	600	638
F619378 :												
43	0	0	8	12	9	44	0.17	0.27	0.21	500	530	522
47	0	0	11	14	11	46	0.25	0.30	0.23	580	530	605
50	0	0	8	11	8	34	0.24	0.32	0.25	451	530	471
54	0	0	10	12	10	42	0.23	0.29	0.24	536	520	559
58	0	0	10	12	11	47	0.21	0.26	0.23	557	520	581
61	0	0	11	14	11	48	0.22	0.29	0.22	582	520	607
65	0	0	11	14	11	47	0.24	0.30	0.24	599	520	625
68	0	0	10	13	11	48	0.21	0.27	0.22	570	520	595
72	0	0	8	12	10	45	0.18	0.27	0.22	537	520	560
76	0	0	7	12	10	40	0.17	0.30	0.24	521	520	544
79	0	0	6	11	9	38	0.17	0.29	0.24	472	520	493
83	0	0	7	11	9	42	0.16	0.27	0.22	496	520	518
86	0	0	7	11	9	38	0.19	0.29	0.24	479	520	500
90	0	0	8	11	10	41	0.19	0.27	0.24	499	520	521
94	0	0	8	11	10	42	0.19	0.27	0.23	505	520	527
97	0	0	8	12	9	41	0.20	0.28	0.23	502	530	524
101	0	0	10	13	10	48	0.21	0.27	0.22	565	550	590
104	0	0	10	13	10	45	0.22	0.29	0.23	550	610	574
108	0	0	12	14	11	51	0.23	0.28	0.22	614	680	641
112	0	0	12	15	12	53	0.22	0.28	0.23	641	730	669
115	0	0	12	15	12	50	0.24	0.30	0.24	649	730	677
119	0	0	10	13	10	39	0.25	0.33	0.26	548	740	572
122	0	0	9	13	10	36	0.25	0.35	0.27	544	730	568
126	0	0	10	13	11	43	0.25	0.31	0.25	574	720	599
130	0	0	10	14	11	42	0.24	0.32	0.26	587	690	613
133	0	0	10	13	11	43	0.23	0.30	0.25	575	650	600
137	0	0	10	13	11	46	0.21	0.28	0.23	567	600	592
140	0	0	9	13	11	39	0.24	0.32	0.28	570	590	595
144	0	0	9	13	11	37	0.25	0.34	0.28	563	580	587
148	0	0	8	12	9	33	0.25	0.35	0.28	509	580	531
151	0	0	7	11	9	35	0.20	0.30	0.25	462	580	482
155	0	0	9	12	10	34	0.26	0.35	0.30	547	560	571
158	0	0	9	11	9	32	0.27	0.35	0.28	481	570	502
162	0	0	9	13	10	37	0.24	0.34	0.28	550	580	574

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
166	0	0	9	13	11	37	0.25	0.35	0.29	581	550	606
169	0	0	10	13	11	37	0.26	0.35	0.29	579	560	604
173	0	0	9	12	10	35	0.25	0.35	0.29	544	570	568
176	0	0	10	13	11	40	0.25	0.33	0.28	577	580	602
180	0	0	11	14	11	43	0.26	0.32	0.27	604	600	630
F619408 :												
47	0	0	10	12	10	35	0.27	0.35	0.29	540	550	563
50	0	0	8	11	8	32	0.26	0.34	0.26	448	550	467
54	0	0	10	12	10	38	0.26	0.31	0.27	532	560	555
58	0	0	10	12	10	44	0.23	0.27	0.23	533	560	556
61	0	0	5	9	8	31	0.15	0.28	0.25	383	560	400
65	0	0	11	13	11	45	0.25	0.30	0.25	593	560	619
68	0	0	12	14	12	46	0.27	0.30	0.26	616	640	643
72	0	0	12	14	13	47	0.26	0.31	0.27	649	720	677
76	0	0	11	14	12	43	0.26	0.33	0.28	634	750	662
79	0	0	12	15	13	46	0.27	0.32	0.27	651	750	679
83	0	0	11	14	12	40	0.27	0.36	0.29	620	790	647
86	0	0	14	15	13	48	0.29	0.32	0.27	673	810	702
90	0	0	15	16	13	52	0.28	0.30	0.25	685	810	715
94	0	0	13	15	12	46	0.27	0.32	0.27	645	780	673
97	0	0	4	8	7	28	0.16	0.28	0.26	345	770	360
101	0	0	10	12	11	47	0.22	0.25	0.23	559	760	583
104	0	0	13	13	12	52	0.24	0.24	0.23	605	740	631
108	0	0	15	16	14	51	0.29	0.31	0.28	714	700	745
112	0	0	14	16	14	50	0.28	0.32	0.28	706	660	737
115	0	0	13	15	13	45	0.28	0.33	0.30	675	660	704
119	0	0	15	17	15	48	0.31	0.35	0.31	744	670	776
122	0	0	13	16	14	42	0.30	0.37	0.33	703	650	734
126	0	0	13	16	14	46	0.29	0.36	0.32	722	650	753
130	0	0	11	14	12	50	0.21	0.28	0.25	638	640	666
133	0	0	4	8	7	26	0.17	0.32	0.27	358	640	374
137	0	0	10	13	11	41	0.24	0.32	0.28	592	640	618
140	0	0	12	15	13	45	0.27	0.34	0.29	669	660	698
144	0	0	12	14	14	47	0.26	0.30	0.29	666	700	695
148	0	0	16	17	15	53	0.29	0.33	0.28	741	750	773
151	0	0	12	14	14	52	0.24	0.26	0.26	662	780	691
155	0	0	14	14	13	48	0.28	0.29	0.27	653	770	681
158	0	0	14	15	14	51	0.27	0.29	0.27	688	760	718
162	0	0	12	14	13	54	0.23	0.25	0.23	642	750	670
166	0	0	11	12	11	49	0.23	0.25	0.24	582	750	607
169	0	0	5	8	8	29	0.17	0.27	0.26	359	740	375
173	0	0	4	8	7	27	0.15	0.29	0.27	349	740	364
176	0	0	4	8	8	30	0.15	0.28	0.26	372	700	388
180	0	0	5	9	8	31	0.16	0.27	0.26	395	680	412
184	0	0	8	10	10	40	0.19	0.25	0.24	476	660	497
187	0	0	6	10	9	35	0.18	0.29	0.26	461	640	481
191	0	0	5	9	8	30	0.16	0.30	0.27	400	640	417
194	0	0	6	9	9	33	0.17	0.28	0.27	444	640	463
198	0	0	5	10	9	34	0.16	0.30	0.26	448	640	467
202	0	0	4	9	8	30	0.15	0.30	0.27	405	630	423
205	3	0	3	6	6	19	0.15	0.31	0.28	255	630	266
209	0	0	4	8	8	27	0.13	0.30	0.27	366	630	382
212	0	0	4	9	7	28	0.14	0.31	0.26	364	630	380
216	0	0	4	8	7	30	0.14	0.27	0.25	351	630	366

										NORM.		
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. FEEL	MEAS. FEEL	EST. FEEL
220	0	0	4	8	7	27	0.14	0.29	0.25	329	630	343
223	0	0	9	12	11	38	0.24	0.30	0.27	537	630	560
227	0	0	7	9	9	36	0.19	0.26	0.25	433	630	452
230	0	0	8	11	9	37	0.22	0.29	0.25	478	630	499
234	0	0	10	11	10	41	0.23	0.27	0.23	502	640	524
238	0	0	8	10	9	35	0.22	0.29	0.24	448	650	467
241	0	0	5	9	8	30	0.17	0.30	0.27	411	660	429
245	0	0	8	11	11	42	0.19	0.27	0.26	536	670	559
248	0	0	9	10	10	40	0.22	0.26	0.25	497	680	519
252	0	0	12	12	12	52	0.23	0.23	0.22	584	710	609
256	0	0	12	13	12	54	0.23	0.24	0.21	602	710	628
259	0	0	12	13	12	50	0.25	0.26	0.24	617	710	644
263	0	0	13	16	14	46	0.28	0.35	0.30	702	710	733
266	0	0	12	15	12	42	0.29	0.35	0.29	646	720	674
270	0	0	13	17	14	48	0.26	0.36	0.29	720	740	751
F620021 :												
32	0	0	13	15	13	49	0.27	0.30	0.26	658	660	687
36	0	0	9	12	10	36	0.27	0.33	0.28	525	840	548
40	0	0	12	14	12	46	0.27	0.30	0.26	614	660	641
43	0	0	11	14	11	41	0.27	0.33	0.27	598	610	624
47	0	0	9	12	10	34	0.26	0.34	0.28	516	610	538
50	0	0	11	13	12	42	0.26	0.31	0.27	594	630	620
54	0	0	11	12	11	39	0.28	0.32	0.27	555	650	579
58	0	0	12	12	11	44	0.28	0.28	0.25	561	710	585
61	0	0	9	10	9	34	0.26	0.29	0.27	462	760	482
65	0	0	8	9	9	36	0.22	0.25	0.25	435	790	454
68	0	0	9	10	10	38	0.23	0.26	0.25	469	810	489
72	0	0	8	10	8	32	0.26	0.30	0.27	428	820	447
76	0	0	10	12	10	37	0.26	0.33	0.28	547	820	571
79	0	0	8	10	9	36	0.22	0.27	0.25	438	820	457
83	0	0	5	8	7	28	0.17	0.29	0.26	358	790	374
86	0	0	10	13	11	41	0.24	0.30	0.25	554	710	578
90	0	0	8	10	9	36	0.23	0.27	0.25	440	670	459
94	0	0	9	11	10	39	0.23	0.27	0.25	489	600	510
97	0	0	9	11	10	40	0.24	0.27	0.25	491	570	512
101	0	0	7	9	9	35	0.20	0.27	0.25	425	540	443
104	0	0	5	8	7	29	0.16	0.28	0.26	357	520	373
108	0	0	4	8	7	27	0.16	0.29	0.26	345	520	360
112	0	0	5	8	8	28	0.17	0.29	0.27	372	520	388
115	0	0	5	8	8	28	0.18	0.29	0.27	378	520	394
119	0	0	4	7	7	25	0.15	0.29	0.28	319	520	333
122	0	0	4	8	7	26	0.16	0.28	0.27	333	520	347
126	0	0	7	9	9	36	0.20	0.26	0.26	441	520	460
130	0	0	6	9	9	34	0.18	0.27	0.25	422	540	440
133	0	0	5	8	7	32	0.16	0.26	0.23	351	540	366
137	0	0	11	10	11	46	0.24	0.23	0.24	522	580	545
140	0	0	9	9	9	40	0.23	0.23	0.24	446	540	465
144	0	0	6	9	8	32	0.20	0.27	0.26	399	620	416
148	0	0	9	10	9	39	0.22	0.26	0.23	456	690	476
151	0	0	9	10	9	38	0.24	0.27	0.24	460	780	480
155	0	0	9	10	9	34	0.26	0.30	0.26	450	800	470
158	0	0	9	12	10	35	0.27	0.34	0.29	528	850	551
162	0	0	10	12	10	39	0.26	0.31	0.26	533	860	556
166	0	0	11	13	11	42	0.25	0.30	0.26	571	880	596

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
169	0	0	10	13	11	37	0.26	0.34	0.29	557	890	581
173	0	0	9	11	10	34	0.25	0.32	0.28	494	900	515
176	0	0	6	8	8	30	0.20	0.27	0.27	394	900	411
180	0	0	9	10	9	32	0.28	0.31	0.28	458	890	478
184	0	0	9	11	10	33	0.28	0.33	0.29	500	880	522
187	0	0	11	12	11	39	0.27	0.31	0.28	552	880	576
191	0	0	13	13	12	48	0.27	0.27	0.25	609	870	635
194	0	0	13	13	12	49	0.27	0.27	0.25	623	860	650
198	0	0	12	13	12	47	0.26	0.28	0.26	614	840	641
202	0	0	9	12	10	35	0.26	0.33	0.29	531	820	554
205	0	0	9	12	11	37	0.26	0.33	0.29	550	800	574
209	0	0	8	11	10	35	0.25	0.33	0.28	506	770	528
212	0	0	6	8	8	31	0.19	0.26	0.25	365	750	381
216	0	0	8	10	8	30	0.27	0.33	0.28	437	700	456
220	0	0	8	10	9	29	0.27	0.35	0.30	470	680	490
223	0	0	9	11	10	34	0.26	0.33	0.29	516	680	538
227	0	0	13	14	12	49	0.27	0.28	0.25	627	670	654
230	0	0	11	13	11	41	0.27	0.32	0.27	582	670	607
234	0	0	11	13	12	40	0.27	0.32	0.29	591	660	617
238	0	0	10	12	11	37	0.26	0.33	0.29	570	650	595
241	0	0	10	13	11	38	0.26	0.34	0.30	583	640	608
245	0	0	10	13	11	40	0.26	0.32	0.29	577	630	602
248	0	0	8	9	9	37	0.22	0.23	0.24	413	610	431
252	0	0	12	10	11	44	0.27	0.24	0.24	504	590	526
256	0	0	10	10	10	37	0.29	0.28	0.27	494	580	515
259	0	0	13	11	11	44	0.29	0.24	0.24	521	560	544
263	0	0	13	11	11	44	0.31	0.26	0.25	545	560	569
266	0	0	14	12	11	45	0.30	0.27	0.25	561	550	585
270	0	0	14	12	11	45	0.31	0.27	0.25	565	550	590
274	0	0	13	11	11	45	0.29	0.24	0.24	536	550	559
277	0	0	14	12	11	47	0.29	0.26	0.24	577	550	602
281	0	0	12	11	11	44	0.28	0.25	0.24	524	560	547
284	0	0	9	10	9	41	0.23	0.23	0.23	453	640	473
288	0	0	13	11	11	46	0.28	0.24	0.24	536	610	559
292	0	0	9	10	9	33	0.29	0.30	0.27	445	600	464
295	0	0	10	10	9	33	0.29	0.32	0.29	485	600	506
299	0	0	10	11	9	35	0.28	0.32	0.27	492	600	513
302	0	0	10	11	9	35	0.28	0.30	0.27	478	600	499
306	0	0	13	12	11	44	0.30	0.27	0.25	550	600	574
310	0	0	12	12	11	41	0.30	0.29	0.26	553	600	577
313	0	0	13	12	11	45	0.29	0.27	0.25	563	600	587
317	0	0	13	12	11	42	0.31	0.28	0.26	558	600	582
320	0	0	11	11	11	45	0.25	0.24	0.24	512	600	534
324	0	0	12	11	11	42	0.28	0.27	0.26	540	620	563
328	0	0	9	11	9	33	0.28	0.34	0.28	496	670	518
F620124 :												
36	0	0	20	29	21	63	0.31	0.46	0.33	867	680	905
40	0	0	20	30	21	64	0.31	0.47	0.33	859	720	896
43	0	0	20	30	21	63	0.32	0.47	0.33	853	720	890
47	0	0	20	29	21	64	0.31	0.46	0.33	865	720	903
50	0	0	20	29	21	63	0.31	0.46	0.33	868	710	906
54	0	0	20	29	21	64	0.31	0.46	0.33	870	690	908
58	0	0	20	28	21	63	0.32	0.44	0.33	882	720	920
61	0	0	20	29	21	65	0.31	0.45	0.32	872	820	910

									EST.	MEAS.	NORM.	
						BROAD	270/	370/	500/	FEEL	FEEL	EST.
ANGLE	PHASE	INCLU	270 K	370 K	500 K	BAND	BBAND	BBAND	BBAND			PEEL
65	0	0	20	29	21	65	0.31	0.45	0.32	864	830	902
68	0	0	20	27	20	61	0.32	0.45	0.33	871	810	909
108	0	0	19	27	21	63	0.30	0.43	0.33	888	740	927
112	0	0	19	27	20	62	0.31	0.43	0.33	880	740	918
115	0	0	19	28	21	63	0.31	0.44	0.33	880	740	918
119	0	0	19	28	21	63	0.30	0.44	0.33	881	720	919
122	0	0	19	28	21	63	0.31	0.44	0.32	876	680	914
126	0	0	19	29	21	63	0.31	0.45	0.33	873	620	911
130	0	0	19	28	21	65	0.29	0.43	0.33	895	590	934
133	0	0	19	28	21	62	0.30	0.45	0.34	882	580	920
137	0	0	19	28	21	64	0.30	0.44	0.33	884	570	922
140	0	0	18	26	19	59	0.30	0.43	0.32	864	560	902
144	0	0	19	28	21	63	0.30	0.45	0.34	887	560	926
148	0	0	20	28	21	64	0.31	0.44	0.33	881	550	919
151	0	0	19	28	21	63	0.30	0.45	0.33	876	550	914
155	0	0	19	28	21	63	0.30	0.44	0.33	885	550	923
158	0	0	18	27	20	61	0.30	0.44	0.33	878	550	916
162	0	0	19	28	21	64	0.29	0.43	0.32	884	550	922
166	0	0	19	28	21	62	0.31	0.45	0.33	874	550	912
169	0	0	19	26	20	61	0.30	0.42	0.32	878	550	916
173	0	0	19	27	21	62	0.30	0.43	0.33	888	550	927
176	0	0	18	22	18	54	0.32	0.41	0.33	839	550	875
180	0	0	18	22	17	54	0.33	0.41	0.32	831	550	867
184	0	0	18	26	20	60	0.30	0.42	0.33	878	560	916
187	0	0	18	24	19	58	0.32	0.42	0.32	859	580	896
191	0	0	19	26	20	61	0.31	0.42	0.33	886	610	925
194	0	0	17	22	17	54	0.31	0.41	0.32	835	610	871
198	0	0	17	22	17	54	0.32	0.41	0.32	831	600	867
202	0	0	17	22	17	56	0.31	0.39	0.31	836	590	872
205	0	0	17	20	17	57	0.29	0.35	0.29	819	580	855
209	0	0	17	23	19	55	0.31	0.41	0.34	862	580	899
212	0	0	14	19	16	51	0.26	0.38	0.31	790	580	824
216	0	0	17	23	18	56	0.30	0.41	0.32	840	580	877
220	0	0	17	26	19	56	0.31	0.47	0.34	852	580	889
223	0	0	17	26	19	57	0.31	0.46	0.34	857	580	894
227	0	0	18	27	19	57	0.31	0.47	0.34	854	580	891
230	0	0	18	25	18	57	0.32	0.44	0.32	846	580	883
234	0	0	17	24	18	56	0.30	0.42	0.33	849	580	886
238	0	0	17	24	18	56	0.31	0.43	0.32	842	580	879
241	0	0	17	23	18	55	0.31	0.42	0.32	839	590	875
245	0	0	17	22	18	53	0.31	0.42	0.33	838	590	874
248	0	0	15	21	17	50	0.30	0.42	0.33	810	630	845
252	0	0	18	25	19	55	0.32	0.45	0.34	860	650	897
256	0	0	18	25	19	57	0.31	0.44	0.34	865	690	903
259	0	0	18	25	20	58	0.31	0.44	0.34	873	700	911
263	0	0	15	18	15	46	0.33	0.40	0.32	758	700	791
266	0	0	16	21	17	49	0.33	0.44	0.34	813	690	848
270	0	0	18	23	17	54	0.33	0.42	0.32	825	650	861
274	0	0	19	27	20	61	0.31	0.43	0.32	872	620	910
277	0	0	20	28	21	64	0.31	0.45	0.33	873	620	911
281	0	0	19	28	21	62	0.31	0.46	0.34	879	620	917
284	0	0	16	21	17	51	0.32	0.41	0.33	816	620	851
288	0	0	13	20	16	50	0.27	0.40	0.33	797	630	832
292	0	0	16	22	18	53	0.31	0.41	0.33	837	620	873

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
295	0	0	19	27	21	61	0.32	0.44	0.34	890	620	929
299	0	0	19	27	21	62	0.31	0.43	0.34	893	620	932
302	0	0	18	25	19	59	0.31	0.42	0.33	870	620	908
306	0	0	19	29	22	63	0.30	0.45	0.34	887	620	926
310	0	0	20	30	22	65	0.31	0.46	0.34	880	620	918
313	0	0	20	31	22	65	0.30	0.47	0.33	860	620	897
317	0	0	20	30	22	65	0.31	0.46	0.34	872	620	910
320	0	0	18	25	20	59	0.31	0.43	0.34	876	620	914
324	0	0	18	24	19	56	0.31	0.43	0.34	863	620	901
328	0	0	19	29	21	62	0.31	0.46	0.34	876	620	914
331	0	0	20	30	22	65	0.30	0.46	0.34	870	640	908
335	0	0	20	30	21	65	0.30	0.45	0.32	868	690	906
F620126 :												
18	0	0	14	14	11	46	0.30	0.31	0.24	602	730	628
22	0	0	14	14	11	45	0.30	0.32	0.26	616	720	643
25	0	0	14	15	12	44	0.31	0.34	0.27	642	720	670
29	0	0	14	15	12	43	0.32	0.34	0.27	628	690	655
32	0	0	13	14	11	43	0.29	0.33	0.26	610	680	637
36	0	0	15	16	13	45	0.34	0.36	0.29	682	690	712
40	0	0	15	17	13	45	0.33	0.37	0.29	700	700	730
43	0	0	16	17	13	46	0.34	0.37	0.29	706	710	737
47	0	0	16	17	14	46	0.34	0.37	0.29	710	700	741
50	0	0	15	17	13	45	0.34	0.37	0.29	696	700	726
54	0	0	15	16	13	46	0.34	0.36	0.28	680	700	710
58	0	0	15	16	13	47	0.32	0.34	0.27	670	710	699
61	0	0	15	16	13	46	0.33	0.35	0.28	670	720	699
65	0	0	15	16	13	44	0.34	0.36	0.29	672	750	701
68	0	0	14	16	13	44	0.33	0.36	0.29	671	740	700
72	0	0	14	16	13	43	0.33	0.37	0.30	676	730	705
133	0	0	16	18	13	46	0.34	0.39	0.29	709	680	740
137	0	0	15	17	13	46	0.33	0.38	0.29	708	730	739
140	0	0	14	17	13	45	0.32	0.38	0.30	701	770	731
144	0	0	14	17	13	44	0.33	0.38	0.30	695	770	725
148	0	0	14	17	13	44	0.33	0.38	0.30	696	770	726
151	0	0	14	16	13	43	0.33	0.37	0.30	684	760	714
155	0	0	14	15	12	42	0.33	0.36	0.29	660	740	689
158	0	0	14	16	13	43	0.32	0.37	0.30	681	730	711
162	0	0	14	16	13	42	0.33	0.37	0.30	671	700	700
166	0	0	15	16	13	44	0.34	0.37	0.30	683	660	713
169	0	0	15	18	14	46	0.33	0.38	0.30	716	600	747
173	0	0	16	17	14	47	0.34	0.37	0.30	718	570	749
176	0	0	16	19	14	50	0.33	0.38	0.29	742	560	774
180	0	0	17	21	15	52	0.33	0.40	0.29	769	560	802
184	0	0	16	18	14	47	0.34	0.39	0.29	726	560	758
187	0	0	15	18	14	46	0.33	0.39	0.30	726	560	758
191	0	0	15	17	14	45	0.33	0.38	0.30	714	560	745
194	0	0	15	16	13	44	0.33	0.37	0.30	694	560	724
198	0	0	15	16	13	44	0.33	0.37	0.30	686	560	716
202	0	0	15	16	13	43	0.34	0.37	0.30	675	560	704
205	0	0	14	16	13	43	0.34	0.37	0.30	683	560	713
209	0	0	14	16	13	43	0.34	0.36	0.30	671	560	700
212	0	0	15	15	13	44	0.33	0.35	0.29	661	560	690
216	0	0	12	13	11	43	0.28	0.31	0.26	585	570	610
220	0	0	15	15	13	44	0.33	0.34	0.28	658	570	687

NORM.

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. FEEL	MEAS. FEEL	EST. FEEL
223	0	0	14	15	13	42	0.34	0.36	0.30	664	570	693
227	0	0	14	15	13	43	0.33	0.36	0.30	669	570	698
230	0	0	14	16	13	42	0.33	0.38	0.30	680	570	710
234	0	0	14	15	12	42	0.34	0.36	0.30	651	570	679
238	0	0	14	14	12	42	0.32	0.33	0.27	609	570	635
241	0	0	13	13	11	45	0.28	0.29	0.25	578	570	603
245	0	0	12	13	11	47	0.25	0.27	0.22	561	570	585
248	0	0	12	13	11	47	0.25	0.27	0.23	569	570	594
252	0	0	12	13	11	45	0.26	0.28	0.23	563	570	587
256	0	0	10	13	10	40	0.24	0.32	0.26	552	570	576
259	0	0	10	13	10	41	0.24	0.32	0.26	564	570	589
263	0	0	14	15	12	49	0.28	0.30	0.24	629	580	656
266	0	0	14	14	12	45	0.31	0.32	0.26	619	610	646
270	0	0	12	14	11	47	0.27	0.30	0.24	599	640	625
274	0	0	15	15	12	48	0.30	0.31	0.25	642	660	670
277	0	0	14	14	12	50	0.28	0.29	0.24	638	690	666
281	0	0	15	15	12	49	0.30	0.30	0.26	651	720	679
284	0	0	15	15	12	47	0.31	0.32	0.26	648	750	676
288	0	0	12	13	11	49	0.25	0.27	0.22	578	820	603
292	0	0	11	13	11	49	0.23	0.27	0.22	583	790	608
295	0	0	13	14	12	47	0.27	0.30	0.24	613	790	640
299	0	0	14	15	12	44	0.32	0.35	0.28	645	800	673
302	0	0	14	15	12	43	0.33	0.35	0.28	644	800	672
306	0	0	14	16	12	42	0.32	0.38	0.29	656	790	685
310	0	0	14	16	12	43	0.32	0.38	0.29	665	800	694
313	0	0	14	17	13	44	0.33	0.38	0.30	701	800	731
317	0	0	15	16	13	45	0.33	0.37	0.30	696	790	726
320	0	0	14	15	12	42	0.34	0.35	0.29	641	780	669
324	0	0	13	14	11	45	0.29	0.31	0.25	608	650	634
F620127 :												
36	0	0	14	17	13	53	0.26	0.32	0.24	693	500	723
40	0	0	12	14	11	50	0.23	0.27	0.22	588	700	614
43	0	0	13	15	12	57	0.23	0.26	0.22	661	740	690
47	0	0	13	14	12	48	0.26	0.30	0.24	618	780	645
50	0	0	11	14	11	41	0.28	0.34	0.27	586	780	611
54	0	0	12	14	10	41	0.28	0.33	0.25	569	770	594
58	0	0	14	17	13	49	0.30	0.35	0.27	697	760	727
61	0	0	14	16	13	48	0.29	0.34	0.27	680	740	710
65	0	0	14	16	13	50	0.28	0.33	0.26	686	680	716
68	0	0	13	15	12	47	0.27	0.32	0.25	633	640	661
72	0	0	10	13	10	43	0.22	0.30	0.24	552	610	576
76	0	0	11	13	11	51	0.21	0.26	0.22	595	590	621
79	0	0	10	13	10	50	0.19	0.25	0.19	545	580	569
83	0	0	9	12	9	38	0.22	0.32	0.23	496	580	518
86	0	0	12	14	12	54	0.22	0.26	0.22	624	580	651
90	0	0	12	14	12	53	0.23	0.27	0.23	637	580	665
94	0	0	13	15	13	56	0.23	0.27	0.23	669	550	698
97	0	0	10	13	10	40	0.25	0.32	0.25	542	550	566
101	0	0	10	12	10	40	0.25	0.31	0.24	517	550	539
104	0	0	11	13	11	46	0.24	0.28	0.24	582	540	607
108	0	0	9	12	10	40	0.23	0.31	0.25	534	540	557
112	0	0	9	12	9	33	0.27	0.36	0.28	500	510	522
115	0	0	9	12	9	33	0.27	0.36	0.28	511	520	533
119	0	0	9	13	10	35	0.26	0.36	0.28	535	610	558

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
122	0	0	11	14	11	42	0.26	0.33	0.27	597	680	623
126	0	0	10	13	10	38	0.25	0.35	0.27	567	750	592
130	0	0	11	14	11	41	0.26	0.35	0.27	612	750	639
133	0	0	11	14	11	43	0.25	0.33	0.26	599	750	625
137	0	0	9	12	9	36	0.26	0.34	0.25	500	720	522
140	0	0	12	15	12	45	0.26	0.33	0.26	633	740	661
144	0	0	10	12	10	43	0.22	0.29	0.24	545	760	569
148	0	0	7	11	9	39	0.19	0.28	0.24	489	710	510
151	0	0	8	11	9	38	0.21	0.30	0.24	493	780	514
155	0	0	8	12	9	38	0.22	0.30	0.23	483	780	504
158	0	0	10	14	11	42	0.25	0.33	0.27	603	780	629
162	0	0	10	13	11	39	0.25	0.34	0.27	570	770	595
166	0	0	9	12	10	39	0.22	0.30	0.25	509	770	531
169	0	0	8	11	8	40	0.20	0.28	0.20	450	740	470
173	0	0	11	14	10	47	0.23	0.29	0.22	570	710	595
176	0	0	13	15	12	53	0.25	0.28	0.23	644	650	672
180	0	0	11	14	12	47	0.24	0.30	0.26	633	590	661
184	0	0	11	14	12	46	0.25	0.31	0.26	629	590	656
187	0	0	14	16	13	51	0.27	0.31	0.25	677	560	706
191	0	0	15	17	13	48	0.30	0.35	0.28	700	570	730
194	0	0	14	17	13	48	0.30	0.35	0.28	695	570	725
198	0	0	13	16	13	49	0.27	0.34	0.26	679	590	709
202	0	0	13	16	12	48	0.27	0.32	0.26	659	560	688
205	0	0	13	15	12	49	0.26	0.30	0.24	631	580	658
209	0	0	12	14	11	47	0.26	0.30	0.24	604	560	630
212	0	0	12	15	11	48	0.25	0.30	0.23	616	560	643
216	0	0	11	13	10	52	0.21	0.25	0.20	564	520	589
220	0	0	10	13	10	55	0.19	0.23	0.18	555	520	579
223	0	0	9	12	10	52	0.17	0.23	0.19	530	520	553
227	0	0	8	12	9	47	0.16	0.25	0.20	505	530	527
230	0	0	7	10	9	41	0.16	0.25	0.21	450	530	470
234	0	0	8	12	9	47	0.17	0.25	0.20	512	530	534
238	0	0	6	10	8	36	0.16	0.28	0.22	418	530	436
241	0	0	6	10	9	38	0.17	0.27	0.23	450	520	470
245	0	0	11	13	11	55	0.19	0.23	0.19	576	520	601
248	0	0	10	13	10	45	0.21	0.28	0.22	539	520	562
252	0	0	7	11	9	39	0.18	0.28	0.23	469	530	489
256	0	0	9	13	10	53	0.17	0.24	0.19	548	530	572
259	0	0	9	12	10	45	0.21	0.27	0.21	528	530	551
263	0	0	7	11	8	39	0.19	0.28	0.21	448	540	467
266	0	0	8	12	9	40	0.20	0.29	0.22	480	540	501
270	0	0	11	14	11	42	0.27	0.32	0.25	574	610	599
274	0	0	12	14	12	43	0.28	0.33	0.27	618	590	645
277	0	0	13	16	13	46	0.28	0.34	0.27	666	570	695
281	0	0	13	16	13	46	0.29	0.35	0.29	688	580	718
F620336 :												
65	0	0	13	12	11	39	0.34	0.32	0.27	554	740	578
68	0	0	12	12	10	37	0.34	0.33	0.28	547	750	571
72	0	0	12	13	11	37	0.33	0.36	0.29	582	710	607
76	0	0	10	13	10	40	0.26	0.33	0.26	557	710	581
79	0	0	10	14	10	42	0.24	0.33	0.25	573	720	598
83	0	0	11	14	11	43	0.26	0.33	0.25	596	770	622
86	0	0	11	14	11	44	0.25	0.33	0.25	600	840	626
90	0	0	11	14	11	39	0.29	0.35	0.28	585	830	610

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD			500/	EST.	MEAS.	NORM.
						BAND	270/	370/				EST.
							BBAND	BBAND	BBAND	PEEL	PEEL	PEEL
94	0	0	12	13	11	38	0.32	0.35	0.29	587	800	613
97	0	0	13	14	12	41	0.32	0.35	0.28	622	730	649
101	0	0	13	15	12	42	0.31	0.36	0.28	633	780	661
104	0	0	13	17	13	48	0.27	0.35	0.27	677	760	706
108	0	0	11	13	11	43	0.25	0.31	0.25	580	780	605
112	0	0	11	15	11	45	0.24	0.32	0.25	618	750	645
115	0	0	11	14	11	44	0.24	0.32	0.24	593	750	619
119	0	0	11	15	11	44	0.25	0.33	0.26	612	750	639
122	0	0	13	15	12	40	0.32	0.36	0.29	627	730	654
126	0	0	13	15	12	40	0.33	0.37	0.30	640	720	668
130	0	0	14	15	12	43	0.32	0.35	0.28	641	710	669
133	0	0	14	15	12	40	0.34	0.36	0.30	638	700	666
137	0	0	14	16	13	43	0.32	0.37	0.30	670	700	699
140	0	0	15	17	13	45	0.33	0.38	0.29	695	690	725
144	0	0	15	18	13	49	0.31	0.37	0.27	711	690	742
148	0	0	14	17	13	53	0.26	0.33	0.24	693	690	723
151	0	0	14	18	13	48	0.29	0.38	0.27	692	680	722
155	0	0	13	16	12	44	0.29	0.37	0.27	662	680	691
158	0	0	13	15	12	42	0.31	0.37	0.29	645	680	673
162	0	0	13	15	12	45	0.28	0.34	0.26	644	670	672
166	0	0	13	16	12	42	0.31	0.37	0.29	649	690	677
169	0	0	13	16	12	42	0.32	0.39	0.29	662	670	691
173	0	0	14	16	13	42	0.34	0.39	0.31	678	640	707
176	0	0	14	16	13	41	0.33	0.38	0.31	677	640	706
180	0	0	14	15	12	42	0.32	0.36	0.30	658	650	687
184	0	0	14	16	13	42	0.33	0.38	0.31	682	630	712
187	0	0	14	16	13	42	0.33	0.38	0.31	682	630	712
191	0	0	14	16	13	42	0.32	0.38	0.30	674	680	703
194	0	0	14	15	12	43	0.31	0.34	0.29	653	650	681
198	0	0	14	15	12	41	0.33	0.37	0.30	654	660	682
202	0	0	13	15	12	40	0.33	0.37	0.31	654	630	682
205	0	0	14	15	13	41	0.33	0.37	0.30	663	620	692
209	0	0	12	13	11	39	0.30	0.33	0.27	561	620	585
212	0	0	14	16	13	43	0.33	0.37	0.29	665	630	694
216	0	0	16	19	14	48	0.32	0.39	0.29	734	610	766
220	0	0	15	17	14	47	0.32	0.37	0.29	712	620	743
223	0	0	15	17	13	46	0.32	0.36	0.29	701	580	731
227	0	0	16	17	14	46	0.34	0.38	0.30	720	580	751
230	0	0	15	17	14	46	0.33	0.37	0.30	710	590	741
234	0	0	14	16	13	44	0.32	0.36	0.30	683	630	713
238	0	0	14	16	13	43	0.33	0.38	0.30	690	670	720
241	0	0	14	16	13	43	0.32	0.38	0.30	686	730	716
245	0	0	14	16	13	43	0.33	0.37	0.30	688	800	718
248	0	0	14	16	13	44	0.33	0.37	0.30	692	770	722
252	0	0	15	17	13	44	0.34	0.39	0.30	708	770	739
256	0	0	15	18	14	45	0.33	0.39	0.30	715	790	746
259	0	0	15	18	14	45	0.34	0.40	0.31	728	790	760
263	0	0	16	18	14	46	0.35	0.40	0.30	724	780	755
266	0	0	15	18	14	46	0.34	0.40	0.30	724	790	755
270	0	0	16	19	14	47	0.35	0.40	0.30	741	750	773
274	0	0	16	19	14	47	0.34	0.40	0.30	729	780	761
277	0	0	15	18	13	46	0.33	0.39	0.29	713	760	744
281	0	0	14	17	13	46	0.31	0.37	0.28	685	760	715
284	0	0	13	15	12	44	0.29	0.34	0.27	641	760	669

ANGLE	PHASE	INCLU	270 K	370 K	500 K	BROAD BAND	270/ BBAND	370/ BBAND	500/ BBAND	EST. PEEL	MEAS. PEEL	NORM. EST. PEEL
288	0	0	12	14	12	45	0.27	0.32	0.27	631	770	658
292	0	0	13	16	13	48	0.28	0.33	0.27	667	760	696
295	0	0	14	17	13	44	0.32	0.38	0.30	695	760	725
299	0	0	14	16	13	44	0.33	0.37	0.29	683	750	713
302	0	0	15	17	13	43	0.34	0.39	0.31	703	760	734
306	0	0	15	17	13	44	0.34	0.38	0.31	699	760	729
310	0	0	15	18	14	45	0.33	0.40	0.31	724	740	755
313	0	0	16	18	14	46	0.34	0.40	0.31	734	740	766
317	0	0	16	18	14	45	0.34	0.39	0.31	729	740	761
320	0	0	15	17	14	45	0.34	0.38	0.31	717	740	748
324	0	0	15	17	14	44	0.34	0.38	0.31	710	740	741
328	0	0	15	16	13	44	0.35	0.37	0.30	696	730	726
331	0	0	15	16	13	45	0.35	0.36	0.29	686	730	716
335	0	0	15	16	13	47	0.32	0.33	0.27	671	740	700
338	0	0	15	16	12	48	0.31	0.33	0.26	664	720	693
342	0	0	14	15	12	48	0.29	0.32	0.25	647	720	675
346	0	0	15	16	12	49	0.30	0.32	0.25	658	720	687
349	0	0	15	16	12	47	0.32	0.33	0.26	661	730	690
353	0	0	15	16	13	46	0.33	0.35	0.28	671	720	700
356	0	0	15	16	13	47	0.32	0.33	0.27	669	720	698

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